CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, January 2, 1908.

CONTENTS.

Plans and Specifications on File..... 1
List of Contracts Pending..... 1
Railways..... 1
Electric Railways..... 1
Light and Power Plants..... 2
Bridges..... 2
Buildings..... 3
Water Supply and Irrigation..... 3
Sewerage..... 3
Garbage Disposal..... 4
Streets and Roads..... 4
Manufacturing Plants..... 4
Miscellaneous Contracts..... 5
Foreign Contracts..... 5
Contract Prices..... 5
U. S. Possessions and Cuba..... 6
Engineering Material Prices..... 6
CIVIL SERVICE EXAMINATIONS..... 6
INDUSTRIAL NOTES..... 6
TRADE PUBLICATIONS..... 6
PROPOSALS..... 6

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

(denotes that this work is advertised in Engineering News.)*

The following Plans (P.) and Specifications (S.) are on file and may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York.

1- 4Road improve., Cleveland, O..(S.)12-26
1- 6*Marginal conduit, Boston, Mass. .....(P. & S.)12- 5
1- 7 Steel bridge, Castle, N. C....(P.)12-12
1-10 Freight transportation, Los Angeles, Cal.....(S.) 1- 2
1-14 Driveway, Patchogue (L. I.), N. Y. .....(P.) 1- 2
1-15 Boiler feed pumps, Washington, D. C. .....(S.)12-19
1-15*Sewer system, Philippines..... .....(P. & S.)10-24
1-15*Regrading, Fort Hamilton, N. Y. .....(S.) 1- 2
1-17 Air compressor, Aurora, Ill..(S.)12- 5
1-18 Dry dock, Brooklyn, N. Y...(S.)12-12

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

1- 5 Power plant, St. Louis, Mo..... 1- 2
1- 8 Inspection, etc., elec. apparatus, New York 1- 2
1- 9 Wiring, Toronto, Ont..... 1- 2
1-13*Wiring, etc., Ft. Wood, N. Y....12-19
1-14*Wiring, etc., Ft. Andrews, Mass.12-19
1-15*Light and heat plant, Wash., D. C.12- 5
1-15 Conduits, etc., Houston, Tex....12-26
1-21*Wiring, Washington, D. C..... 1- 2

BRIDGES.

1- 3 Bridge, Topeka, Kan.....12-19
1- 6 Steel bridge, Attalla, Ala.....12-19
1- 7 Bridges, Salem, S. Dak.....11- 7
1- 6*Bridge, Fort Monroe, Va.....12-12
1- 3 Bridges, Tipton, Iowa.....12-26
1- 3 Culvert, Cincinnati, Ohio.....12-26
1- 6 Bridges, Port Orchard, Wash.... 1- 2
1- 6 Bridge, Greenville, Miss..... 1- 2
1- 7 Bridges, Creston, Iowa.....12-26
1- 7 Steel bridge, Castle, N. C.....12-12
1- 8 Bridges, Brookings, S. Dak.....12-26
1- 8 Steel bridge, Ocala, Fla.....12-26
1- 8 Steel bridge, Dunnellon, Fla. 12-26
1-10 Bridges, Redfield, S. Dak.....12-26
1-14 Bridges, Geneva, Neb.....12-26
1-15 Bridges, Fremont, Neb.....12-26
1-22*Bridge work, Nashville, Tenn...12-26
1-31 Bridge, Victoria, B. C..... 1- 2
2- 1 Bridge, Old Monroe, Mo.....12-12

BUILDINGS.

1- 3 Post-office, Albuquerque, N. Mex.11-21
1- 6*Post-office, Wichita, Kan.....11-28
1- 7 Hotel, Fort Wayne, Ind.....12-26
1- 3 Building, Easton, Pa.....12-12
1- 6 Building, Cincinnati, Ohio.....12-12
1-10 Quarters, Punta Gorda, Fla.....12-19
1-10 Armories, New York, N. Y..... 1- 2
1-10 Repair shops, New York, N. Y. (Mfg. Pl.) 1- 2
1-13*Officers' quarters, Fort Wood, N. Y. 12-19
1-14*Barracks, Ft. Andrews, Mass...12-19
1-14 Post-office, York, Neb.....12- 5
1-15*Post-office, Houston, Tex.....12-12
1-15 Convent, Lancaster, Ohio..... 1- 2
1-15 Building, Dayton, Ohio..... 1- 2
1-17*Post-office, East Liverpool, Ohio..12-12
1-18*Vacuum cleaning system (Bldgs.) Providence, R. I.....12-26
1-20 School, Richmond, Va.....12-26
1-20*Post-office, Asheville, N. C.....12-19
1-21*Post-office, Gainesville, Ga.....12-19
1-22 Post-office, Mitchell, S. Dak.....12-26
2-11*Post-office, etc., Chattanooga, Tenn..... ..... 1- 2
2-17*Post-office, Ogden, Utah..... 1- 2

WATER-WORKS.

1- 3 Vitrified pipe, Hot Springs, S. Dak. 12-19
1- 6 Water main, Rockwell City, Ia.. 1- 2
1- 6 Water main, Fargo, N. Dak.... 1- 2
1- 7 Drain, New York, N Y..... 1- 2
1-10*Water pipe, Phoenix, Ariz.....12-12
1-11 Ditch, Frankfort, Ind..... 1- 2
1-14 Water pipe system, Annapolis, Md. 1- 2
1-15 Hydrants, Winnipeg, Man..... 1- 2
1-15 Cast-iron water pipe, Winnipeg, Man. 12-19
1-15 Boiler feed pumps, Washington, D. C. 12-19
1-17 Air compressor, Aurora, Ill.....11-28
1-28 Engines, Toronto, Ont.....12-26

SEWERS.

1- 3 Pipe sewers, Salt Lake City, Utah.12-12
1- 3 Sewers, Canton, Ohio 12-19
1- 6*Sewers, Durango, Colo.....12-12
1- 6 Sewers, Hanley Falls, Minn.....12-26
1- 6 Sewer, Bakersfield, Cal.....12-26
1- 7 Sewers, New York, N. Y..... 1- 2
1- 7 Sewers, McKeesport, Pa..... 1- 2
1- 7 Pipe sewers, South Bend, Ind... 1- 2
1-13 Sewers, Steubenville, Ohio..... 1- 2
1-14 Pipe sewer, Clinton, Iowa 12-19
1-15*Sewer system, Philippines 10-24
1-15 Sewer extension, Oakland, Cal.. 1- 2

STREETS AND ROADS.

1- 3*Grading, etc., Salt Lake City, Utah 11-28
1- 4 Grading, etc., Cleveland, Ohio....12-12
1- 6 Gravel roads, Crownpoint, Ind..12-19
1- 6 Highway improvement, Danville, Ind. 12-19
1- 6 Gravel road, Lebanon, Ind.....12-19
1- 6*Sprinkling wagons, steam roller, Hackensack, N. J..... 1- 2
1- 6 Gravel road, Veray, Ind..... 1- 2
1- 7*Paving, etc., Newburgh, N Y.... 1- 2
1- 7 Gravel road, Paoli, Ind..... 1- 2
1- 7 Gravel road, Washington, Ind... 1- 2
1- 7 Gravel roads, Columbus, Ind.... 1- 2
1- 7 Paving, etc., New York, N. Y.... 1- 2
1- 7 Gravel roads, Vincennes, Ind....12-19
1- 7 Macadam, Versailles, Ind.....12-26
1- 8*Grading, etc., Champaign, Ill.... 1- 2
1- 8 Paving, Memphis, Tenn..... 1- 2
1- 9 Gravel roads, Rockville, Ind.... 1- 2
1-10 Macadam, Fort Washington, Md.12-19
1-14*Reduction works, Columbus, O..12- 5
1-14 Driveway, Patchogue, L. I .N. Y.12-26
1-14 Plans and specifications, driveway, Patchogue, L. I., N. Y.....12-26
1-15 Grading, etc., Ft. Hamilton, N. Y.12-26
1-15 Grading, etc., Brooklyn, N. Y.... 1- 2
1-16 Road, Lewiston, Idaho 12-19
1-20 Paving, West Lafayette, Ind..... 1- 2
1-20*Highway impvt., Albany, N. Y.. 1- 2
1-23*Highway impvt., Albany, N. Y... 1- 2
2- 1 Road, Attleboro, Mass..... 1- 2
2- 4*Paving and macadamizing, Billings, Mont. 11-21

MISCELLANEOUS.

1- 3 Fence, Coraopolis, Pa..... 1- 2
1- 4 Piles, New York, N. Y..... 1- 2
1- 6*Road roller, Hackensack, N. J... 1- 2
1- 6*Sprinkling wagon, Hackensack, N. J. 1- 2
1- 6*Marginal conduit, Boston, Mass..12- 5
1- 7 Ditch, Desmet, S. Dak.....12- 5
1- 7 Drain, Clarion, Iowa 1- 2
1- 7 Tunnels, Newark, N. J..... 1- 2
1- 7 Garbage disposal, Reading, Pa...12-12
1- 7 Ditch, Aitkin, Minn.....12-19
1- 7 Ditches, Forest City, Iowa.....12-26
1- 9 Ditch, Council Bluffs, Iowa.....12-26
1- 9 Swimming pool, Denver, Colo....12-19
1- 9 Loading scows, New York..... 1- 2
1-10 Ditch, Redwood Falls, Minn..... 1- 2
1-10 Freight transportation, Los Angeles, Cal. 1- 2
1-10*Dump scows, Wilmington, N. C..12-12
1-11*Dredging, Washington, D. C.....12-19
1-11 Ditch, Frankfort, Ind..... 1- 2
1-13 Snow and ice removal (Garbage), New York, N. Y..... 1- 2
1-13*Sale of bldgs., New York, N. Y..12-19
1-14*Light-station, Alaska 11-21
1-14*Reduction works, Columbus, O. (Garbage) 11-28
1-15 Riprap, Grand Rapids, Mich....12-26
1-15*Drainage tunnel, Colorado Springs, Colo. 12-26
1-15 Levee, Bradley, Ark..... 1- 2
1-16*Ditch, Plainfield, Wis.....12-26
1-16 Drain, Estherville, Iowa.....12-19
1-16 Dredging, Detroit, Mich.....12-19
1-18 Dry dock, Brooklyn, N. Y.....12-12
1-20 Raising lock, Louisa, Ky.....12-26
1-21 Dredge, repairs, Cincinnati, Ohio. 1- 2
1-25*Guide walls, paving, etc., Wheeling, W. Va.....12-26
2- 1*Dredging, New York, N. Y..... 1- 2
2- 4*Steamboat landing, Erie, Pa.....12-19
2-11 Garbage reduction, St. Louis, Mo.12-12

FOREIGN.

1- 3 Telephone system, Spain 1- 2
1- 7 'Phone material, Australia..... 9-19
1- 7 Switchboard, 'phones, Australia.. 1- 2
1- 8 'Phone material, Australia..... 9-19
1-10 Steel rails, Norway 1- 2
2- 4 Mining concession, Turkey 1- 2
2-15 Designs, Municipal Bldgs., China. 1- 2
3-11 'Phone material, Australia.....11-28
5- 1 Elec. railways, Argentina.....11-21

CIVIL SERVICE.

1- 7 Axeman, New York, N. Y.....11-28
1- 8 Arch. draftsman, Philippines....11-28
1- 8 Mech.-Elec. Dftsman, Wash., D.C.12- 5
1- 8 C. E. Supt. Const., Wash., D. C..12-12
1- 8 Engineers, Wash., D. C.....12-12
1- 8 Steam Engr., Omaha, Neb.....12-19
1- 8 Electrician, St. Louis, Mo.....12-19
1- 8 Stereotyper, Wash., D. C.....12-26
1- 8 Litho. stone polisher, Wash, D. C.12-26
1- 8 Engineman, New York, N. Y...12-26
1- 8 Steamfitter, New York, N. Y....12-26
1-14 Mech. Draftsmen, New York....12-12
1-15 Draftsman, Wash., D. C.....12-26
1-15 Elec. Asst., Wash., D. C.....12-26
No date, Chemist aid, Wash., D. C....12-26

RAILWAYS.

(denotes that this work is advertised in Engineering News.)*

ALBERTA (CANADA).—The Bow River Collieries, Ltd., of Lethbridge, Alta., is applying to parliament for permission to build a railway 15 miles in length to the coal mines of the company at Bow River. Address R. F. Reeve, Lethbridge.

ARGENTINE CENTRAL.—An extension may be built from Mt. McClellan to Main Range, Colo., a distance of three miles. Arthur H. Osborne is Ch. Engr., Georgetown, Colo.

ARKANSAS, OKLAHOMA & WESTERN.—This company proposes an extension of 30 miles from Rogers to Eureka Springs, Ark., it is stated. W. R. Felker is Pres. and Gen. Mgr., Rogers, Ark. Noted on Oct. 3.

BALLINGER & ABILENE.—Charter has been filed in Texas with the Secretary of State, providing for the construction of a railroad from Ballinger, Runnels County, to Abilene, Taylor County, Tex., a distance of about 53 miles. Preliminary surveys have been made for this road. Among the directors are C. A. Doose, C. H. Willingham, J. McGregor, and J. Wileth, of Ballinger, Tex., and Cicero Smith, of Mineral Wells, Tex. W. J. McDaniel is Ch. Engr. at Ballinger, Tex. Noted fully on Nov. 14 and Dec. 19.

BENNETTSVILLE & CHERAW.—It is planned to build an extension from Drakes to Brownsville, S. C., twelve miles, and from Scott to Blenheim, S. C., two miles, during 1908. J. J. Heckart is Pres., Bennettsville, S. C.

CANADIAN & NORTHERN QUEBEC.—A. J. Gorrie, Gen. Supt., Montreal, Que., states that extensions from Germean Junction to Quebec, and from Hawkesbury to Ottawa, aggregating 82 miles, will be built during 1908.

CHATTAHOOCHEE VALLEY.—This company has filed with the Secretary of State of Georgia its plans to build an extension from West Point, Ga., northward through Troup County, Georgia, to a point at or near Standing Rock in Chambers County, Alabama; thence through Randolph County, Alabama, to a point at or near Glenn in Heard County, Georgia, and to a point at or near Texas in the same county. L. Lanier is Pres., at West Point, Ga. Company now operates nearly 20 miles of railway.

CORVALLIS & ALSEA RIVER.—During 1907 the line was constructed between Corvallis and Bruce, Ore., ten miles. An extension from Corvallis to Alsea, 25 miles, is proposed for 1908. Stephen Carner is Pres., Corvallis, Ore. Noted on Oct. 10.

DENVER, NORTHWESTERN & PACIFIC.—Tracklaying will begin in the spring on the proposed extension from Yarmony to Steamboat Springs, Colo., 68 miles. Grading is practically finished. The company proposes an extension from Steamboat Springs to Salt Lake City. H. A. Sumner is Ch. Engr., Denver, Colo.

EL PASO & SOUTHWESTERN.—Survey has been completed between El Paso, Tex., and Trinidad, Colo., according to the Denver (Colo.) "Republican." F. B. Wilson is Engr., El Paso.

HARRISBURG & OHIO RIVER.—It is probable that tracklaying will begin next spring on the line between Gallatin and Harrisburg, Ill., ten miles. It is graded and bridges are erected. H. S. Tipton is Ch. Engr., Harrisburg, Ill.

HOUSTON BELT & TERMINAL.—Site is being prepared for the proposed terminal facilities for both freight and passenger business during 1908 in the city of Houston, Tex. The construction of a line from Belt Junction to Santa Fe Junction, Tex., 14 miles, is also planned. P. G. Burns is Ch. Engr., Fort Worth, Tex.

KANSAS & TEXAS.—Residents of Hugoton, Kan., are interested in plan to raise subscriptions for the construction of the Kansas & Texas Ry. through Stevens County, Kan. At a recent meeting at Hugoton, T. W. Hubbard was elected chairman and R. L. Smith, Secy. J. L. Gilson, Pres., and G. W. Gilson, Vice-Pres. of the K. & T. Ry. Co., were present and outlined the road's proposition which was as follows: First, that the people vote bonds to the amount of $2,000 per mile and exchange the same for a like amount of stock in the company. Second, that Stevens County donate the right-of-way across the county. Third, that the people donate $250 towards making the survey across the county; this amount to be paid when the road is completed and in operation through the county. The bonds not to be exchanged for the stock in the company until the road is completed and in actual operation. All these propositions were unanimously agreed to by the meeting. As previously noted, this company was granted a charter in Oklahoma to build a 700-mile railway south from Garden City, Kan., via Guymon, Okla., to Amarillo, Tex., thence southeast to Houston, Tex. Capital, $5,000,000. John S. Barnard, of Boston, Mass., is the principal incorporator, and associated with him are John L. Gilson, C. M. Funk, G. W. Gilson, J. R. McCullough, W. C. Crow and Earl Gilson, of Guymon, Okla.

MIDDLE CAROLINA & WESTERN.—D. A. McDonald, Ch. Engr., Carthage, N. C., is reported to have stated that an extension of this road is proposed between Greenwood and Saluda, N. C., 29½ miles.

NEBRASKA, KANSAS & SOUTHWESTERN.—Location surveys for this road have been made between Garden City and Stockton, Kan., 165 miles. The maximum grade decided upon is 0.6 per cent. and the maximum curve is 3°. The work of construction will begin early in the spring. The line will eventually be extended northward to Superior, Neb., and southward to Dalhart, Tex. Right-of-way has been practically all secured in Finney and Hodgeman Counties, Kan. F. T. Burnham is Pres., Beloit, Kan.

NORTH MIDLAND.—A. E. WELCH, of London, Ont., has been awarded the contract for building the North Midland Ry. It will be 35 miles long and will connect London with Stratford. Surveys have not yet been made. Two large bridges will be built.

OCILLA, PINEBLOOM & VALDOSTA.—B. B. Gray, Pres., Pinebloom, Ga., announces that work on the construction of this line from Willacoochee to Valdosta, about 45 miles, has been suspended and it is not definitely known when the work will be resumed. It is intended, however, to build from Lax to Ocilla, and from Pinebloom to Valdosta, Ga.

OKLAHOMA MINERAL BELT.—Chartered in Oklahoma with a capital of $10,000,000 to build from Memphis, Tenn., via Hope, Ark., through the Oklahoma counties of Greer, Jackson, Kiowa, Comanche, Stephens, Carter, Murray, Johnston, Coal, Atoka, Pushmataha and Leflore to Mangum, Okla. Branch lines are planned from Roosevelt to El Reno and from Tatums to Ardmore. The estimated cost of construction is $14,000,000. The directors are E. E. Williams of Hobart, Okla., B. M. Berry, John Berry, Henry Berry, G. E. Sewell and Frederick McGillison, of Roosevelt.

*PHILADELPHIA & READING. — Bids were received by W. Hunter, Ch. Engr., Philadelphia, on Dec. 17, for the following work on the P. G. & N. R. R.: Contract No. 5—Masonry, trestle and embankment from south side of Berks St. to the south side of Susquehanna Ave. Contract No. 7—Masonry, trestle and embankment from south side of Susquehanna Ave. to Broad St. Contract No. 8—Bridges from Berks St. to Broad St. Contract No. 14—Masonry, embankment and paving for yards between York St. and Cumberland St. Contract No. 26—Temporary engine yard at Wayne Junction. The following contracts were awarded on Dec. 26: To ARMSTRONG & LATTA, New Land Title Bldg., Philadelphia., Contract No. 5 at $368,790; No. 14, at $100,718; No. 26, at $47,200. To JAMES McGRAW, Arcade Bldg., Philadelphia, No. 7, at $276,718. To the McCLINTIC-MARSHALL CONSTRUCTION CO., Park Bldg., Pittsburg, No. 8, at $336,785.

SOUTH SAN FRANCISCO BELT RY.—This company has been incorporated in California with $50,000 capital to operate a belt line in the manufacturing district of South City. The following are the directors: Leroy Hough, W. D. Dennett, V. H. Smith, Jesse Lillienthal and E. R. Lillienthal.

TENNESSEE.—The Tellico River Lumber Co., of Tellico Plains, Tenn., will extend its line up the South River about four miles this year. The company is now constructing three miles from Buck branch to the south fork of the Tellico River, which will soon be completed.

TREMONT & GULF.—An extension of this road from Menefee to Denkmann, La., 16 miles, will be built this year, it is stated. J. H. Scott is Ch. Engr., Winnfield, La.

ELECTRIC RAILWAYS.

PITTSFIELD, MASS.—The Pittsfield Electric Street Railway Co. has been granted a 1-year extension of its West Pittsfield franchise, which expired on Dec. 15. P. C. Dolan is engineer.

GREEN LANE, PA.—A franchise has been granted by the town council to the Perkiomen Valley Traction Co. to build a line from Green Lane to Collegeville, Pa.

PHILADELPHIA, PA.—The directors of the Philadelphia Rapid Transit Co. have offered a bonus of $125,000 to the MILLARD CONSTRUCTION CO. provided the section of the subway between the Delaware River and the City Hall is completed by June 1, 1908. If the work is completed by July 1 the contractors will receive $95,000, and if by Aug. 1 they will receive $76,000.

FREDERICKSBURG, VA.—Application for charter has been made by the Fredericksburg & Southern Ry. Co. The charter authorizes the company to construct and operate an electric railway from a point near Ashland, in Hanover County, to Fredericksburg and northwestwardly, and also authorizes the running of a street railway in the city of Fredericksburg, subject to the consent of the City Council. The officers of the company are W. C. Whitner, Pres.; E. J. Smith, Vice-Pres.; Alvin T. Embrey, Secy. and Treas., and the following directors: William C. Whitner, E. J. Smith, C. W. Jones, A. P. Rowe, James T. Lowery, A. W. Embrey and Alvin T. Embrey, of Fredericksburg.

SISTERSVILLE, W. VA.—The Pittsburg Construction Co. has offered to build a railway from Sistersville to Middlebourne, 12½ miles, if local interests will take part of the bonds. The matter is now under consideration. The maximum grade would be 4 per cent., minimum curvature, 10 degrees. E. L. Benton is engineer, at Sistersville.

ZANESVILLE, OHIO.—Six divisions of the Delaware, Marion, Mt. Gilead, Mt. Vernon, Newark & Southern Coal Tramway Co. are reported to have been mapped out. One will be between Delaware and Centerburg; another between Marion and Centerburg by way of Mt. Gilead; the third between Newark and Centerburg and passing through Locks and Appleton; the fourth between Newark and New Lexington by way of Mt. Perry and Sago; the fifth, from Newark to Sago, passing through Hanover, Gilbert and Adamsville; the sixth, between Centerburg and Mt. Vernon. This is another project headed by Col. Albert E. Boone, who has planned various systems in that section of Ohio, the construction of which has not been announced.

NEW CARLISLE, IND.—The Chicago, South Bend & Northern Indiana Ry. Co. has secured a franchise for the operation of its line through New Carlisle. Cohstruction will

now be resumed on the Laporte extension and it is expected that by March 1, 1908, service between South Bend and New Carlisle will be in operation. It is stated that by June 1, 1908, the line will be in operation to Laporte and that Chicago will be reached by way of Michigan City, Ind., about six months later, or by Jan. 1, 1909. Samuel Riddle, Gen. Mgr. and Pur. Agt., South Bend, Ind. Wm. Cummins is Ch. Engr., South Bend.

TERRE HAUTE, IND.—Contract has been let by the Terre Haute & Merom Traction Co. for the construction of this proposed 10-mile electric line from Terre Haute to Merom, Ind., and Robinson, Ill., to the CENTRAL STATES CONSTRUCTION CO., of Chicago, Ill. It is stated that work will be started in about a month. L. Brown is Pres.; J. Warren Brown, Secy., Terre Haute; H. L. Bartlett, St. Louis, Mo., Treas.

FRANKFORT, IND.—The Frankfort, Delphi & Northern Traction Co. has secured practically all of its right-of-way and some grading work has been done on this proposed interurban electric line. This company was incorporated last January. The road will be built from Frankfort, Ind., to Chicago, Ill., by way of Delphi, Monticello, Monon and Hammond, connecting at Frankfort with the Indianapolis & Northern Traction Co. The company recently has been organized with the following officers: Abe Strauss, Pres., Chicago; W. H. Cohee, Vice-Pres. and Gen. Mgr.; W. Cohee, Treas., Frankfort, Ind.; Charles E. Hyman, Secy., Chicago, Ill.

DANVILLE, ILL.—D. C. Johnson, Pres. of the Wabash Valley R. R. Co., Clinton, Ind., advises us that "this proposed electric railway is to run from Danville, Ill., to Terre Haute, Ind., skirting the west bank of the Wabash River and passing through Clinton, Ind., connecting a chain of towns from Terre Haute to Danville, a distance of 54 miles. We have formed a county organization and elected officers, but as yet have not incorporated, but will do so inside of two weeks. We believe this to be a very inviting field and have assurances that the money will be forthcoming."

CHARLESTON, ILL.—The Mattoon, Shelbyville, Pana & Hillsboro R. R. Co. will let the contract for the construction of this 68-mile interurban line from Mattoon to Hillsboro, Ill., in the spring. The road as surveyed will serve the following towns: Gap, Windsor, Shelbyville, Wilt, Tower Hill, Ohlman, Rosemond and Nokomis, with termini at Mattoon and Hillsboro. Right-of-way and franchises are now being secured. W. R. Patton is Pres.; I. B. Craig, Secy., both of Charleston, Ill. Noted on Nov. 28.

SPRINGFIELD, ILL.—At a recent meeting of the stockholders of the St. Louis, Terre Haute & Quincy Traction Co., in Springfield, it was voted to increase the capital stock from $25,000 to $50,000. The company purposes to build an electric interurban railway from Quincy, Ill., to Terre Haute, Ind., via Roodhouse, Virden and Taylorville. The following officers were elected: Pres., Edward Yates, Pittsfield; Vice-Pres., H. C. Simon, Virden; Secy. and Treas., F. W. Knollenberg, Quincy. Directors: Loren Cox, W. C. Feck, Sidney Landcraft and J. F. Tellebuescher, all of Quincy; J. E. Hogan, Taylorville; J. A. Wible, of Kansas City, and the officers. It was also decided to move the headquarters of the company from Springfield to Quincy. Noted on Dec. 5.

JERSEYVILLE, ILL.—The certificate of incorporation of the Improved Electric Railway Co. have been filed. Capital stock, $200,000. The principal offices are located at Jerseyville. The directors are S. H. Bowman, S. L. Hill, Dr. A. A. Shobe, William J. Herman, William Embly, P. M. Hamilton, of Jerseyville, and William J. Hamilton, of Evanston, Ill.

KEOKUK, IOWA.—It is officially announced that the Keokuk & Columbus Junction Transit Co. will build an electric line 75 miles in length. Preliminary surveys have been completed between Keokuk and Columbus Junction. The road will serve the towns of Charleston, New Boston, Donnellson, Franklin, West Point, Lowell, New London, Winfield, Columbus City and Columbus Junction. The officers are: J. E. Peterson, Pres., New London; D. B. Hamil, Vice-Pres.; Theodore A. Craig, Secy.; Ira W. Wills, Treas. All of Keokuk. Noted on Dec. 12.

VEBLEN, S. DAK.—J. H. Movius, Vice-Pres., Lidgerwood N. Dak., states that the Veblen Traction Co., which was incorporated recently to build an electric railway between Lidgerwood, N. Dak., and Veblen, S. Dak., will begin construction work in the spring. The length of the railway will be about 30 miles and the company will probably use the overhead trolley. The company is capitalized at $500,000. The officers are: B. P. Hammersbach, Veblen, Pres.; E. A. Movius, Lidgerwood, Vice-Pres.; J. B. Holsey, Veblen, Secy.; Geo. F. Anderson, Veblen, Treas.

ELDORADO SPRINGS, MO.—J. S. Harrison, Secy. and Gen. Mgr. of the proposed Eldorado Springs, Tiffin, Monegaw Springs & Lowrey City R. R. Co., at Tiffin, Mo., advises us that survey contract will be let in a few days. Right-of-way is partly secured. Dr. C. A. Edgar is Pres., Eldorado Springs. This railroad will connect the cities named in the company's title. It will be 30 miles long. Noted on Nov. 28.

LITTLE ROCK, ARK.—W. H. Waugh, Ch. Engr. of the Little Rock & Pine Bluff Traction Co., Little Rock, Ark., advises us that contract for first 25 miles of grading has been let to PERRY & LINVILLE, of Brazil, Ind.; second 25 miles to SIMS BROS., Thebes, Ill. Work will start this week. Additional contracts will be let during January. J. J. Fiske, Little Rock, is Pres.; T. W. Shelton is Elec. Engr., Little Rock. This railway will extend from Little Rock to Pine Bluff, Ark., 56 miles. Surveys are made and right-of-way and capital are secured.

SEATTLE, WASH.—We are officially advised that the Seattle-Tacoma Short Line will let no contracts but will build this electric railway with its own forces. It will be 30 miles long. Right-of-way is 75 per cent. obtained. Surveys have been made. Headquarters are at 416 American Bank Bldg., Seattle. Noted on Nov. 14. Merle J. Wightman is Ch. Engr.

SAN DIEGO, CAL.—Grading has begun on the electric railway, which is to extend from San Diego to Delmar. The holders of the franchise are W. H. Keller and C. H. Kirckhoff, of Los Angeles, as noted on Dec. 12.

LOS ANGELES, CAL.—S. P. Jewett, Pres. and Ch. Engr. of the Los Angeles & Owens Valley R. R. Co., 411 South Main St., Los Angeles, states that the line will be 325 miles long, serving the towns between Los Angeles and the head of Owens Valley. Surveys have been completed from Vincent to Round Valley, 242 miles. George Chaffey and George B. Reeve are Vice-Pres's.; W. M. Rose, Secy.; A. M. Chaffey, Treas. Noted on Dec. 5.

WELLANDPORT, ONT.—James A. Ross, of Wellandport, Pres. of the Dunnville, Wellandport & Beamsville Elec. Ry. Co., states that this company will begin construction work next spring. The line is to extend from Dunnville to Wellandport, St. Anns and Beamsville. The section from Dunnville to St. Anns, a distance of about 15 miles, will be built in the summer of 1908. The company has an authorized capital stock of $400,000.

LIGHT AND POWER PLANTS.

(denotes that this work is advertised in Engineering News.)*

TURNERS FALLS, MASS.—The Connecticut River Power Co. may build a dam on the Connecticut River near Little Rock dam. The officers of the company are: Pres., C. Fred Deuel; Vice-Pres., Philip Cabot, of Boston; Treas., Mason A. Dickinson, of Amherst; Secy., Charles W. Hazelton, of Montague, Mass. Company has recently been perfecting and completing its transmission line over a course of 19 miles from Turners Falls to Amherst, Hatfield, Pelham, Sunderland and South Deerfield.

NIAGARA FALLS, N. Y.—It is announced that the hearing before the State Public Service Commission, originally scheduled for Nov. 26 on the application of the Niagara Falls Lighting Co. to distribute electrical energy in Niagara Falls and Lewiston, has been postponed indefinitely at the request of the company's attorneys.

LIMA, N. Y.—We are officially advised that the Lima & Honeoye Electric Light & R. R. Co., Lima, N. Y., will erect a power station next season, to be located in the natural gas fields, four miles south of Lima. E. D. Watkins is Mgr.

ALBANY, N. Y.—The Hudson River Electric Co. has obtained a certificate of permission and approval from the Public Service Commission, Second District, for the construction and operation of a storage dam on the Sacandaga River at Conklingville and for authority to issue 5% 40-year gold bonds to the amount of $3,000,000. The company intends to use the additional power to be gained by the construction of the dam, in supplying electric power to Albany, Troy, Watervliet, Schenectady, Amsterdam, Saratoga, Ballston and Mechanicville. Under Rule 25 of the Commission, the decision made in this case will carry with it a provision requiring the company to report under oath the sale or sales of the bonds authorized, the terms and conditions of sale and the amount realized therefrom, and to make a verified report at least once in every six months showing in detail the use and application of the moneys so realized until such moneys have been fully expended. Pending a decision in the case, the State Water Supply Commission filed a letter, calling attention to certain interests of the State that might possibly be affected by the construction of the dam at the point named. In connection with this point, the opinion handed down by the Public Service Commission refers to an agreement proposed by the Hudson River Electric Power Co. to sell within 3½ years the property and improvements involved in the storage dam to the State at a price not to exceed the amount of capital actually invested. If this agreement were to be carried out, a much larger dam would be constructed. E. J. West, 82 State St., Albany, is Secy. of the company; C. E. Parsons, Electrical Engr.

The Public Service Commission, Second District, has granted permission to the Sodus Gas & Electric Light Co. to construct various extensions of its electric wire pole lines for the supplying of electricity and the exercise of the rights and privileges granted by the municipalities.

NEW YORK, N. Y.—Bids are asked until 2.30 p. m., Jan. 8, by Robert W. Hebberd, Comr. Public Charities, for inspection and maintenance of electrical apparatus on Blackwell's Island, the Central Office, the Bureau of Dependent Adults and Morgue, Boro. of Manhattan, and at the Kings County Hospital, Boro. of Brooklyn.

PRINCETON, N. J.—It is proposed to install a central heating and lighting plant next year for the Theological Seminary and to have it ready in time for the opening in September. Contract will be let late this winter or in the early spring. The Richard D. Kimball Co., 6 Beacon St., Boston, Mass., has prepared the plans and will have charge of the work.

FRANKLIN, PA.—The ALLIS-CHALMERS CO., of Milwaukee, Wis., has secured the contract for installing an additional engine and generator for the borough electric light plant, for $8,600.

BALTIMORE, MD.—The Board of Awards on Dec. 18 awarded the gas and naphtha lighting contracts to the AMERICAN STREET LIGHTING CO., of Baltimore, for one year at $10.85 per lamp a year, for maintaining 7,200 gas lamps and for 1,100 naphtha lamps $25 each.

*WASHINGTON, D. C.—Bids are asked at the office of Bernard R. Green, Supt. of Constr. National Museum of Congress, until 2 p. m., Jan. 21, for installing, complete, the electric wiring required for the new building for the National Museum.

CHARLOTTE, N. C.—W. S. Lee, Jr., of Spartanburg, S. C., is Engr.-in-Charge for a steam power electric plant for the Southern Power Co., Charlotte. Estimated cost $2,000,000.

ALBANY, GA.—We are officially advised that the Albany Power & Mfg. Co. has plans and specifications prepared by J. E. Sirrine, Greenville, S. C., for development of about 10,000 HP. at Porter Shoals, on Flint River, two miles from Albany, where it is planned to build dam and power-house to be equipped with electrical machinery for generating and transmitting electricity. All plans have been completed, bonds issued and right-of-way secured. Estimated cost, $1,000,000. The company's present plant develops about 3,500 HP. and is supplying power and light to Albany and various enterprises. E. S. Killabrew, Albany, is Supt.; Smith D. Pickett, is Pres.

TAMPA, FLA.—The Tampa Electric Co. intends to make improvements to its electric light system, which will include installation of new dynamos and other equipment in power house, and laying new track. G. W. Wells, Tampa, is Local Mgr.; Stone & Webster, 84 State St., Boston, Mass., are Gen. Mgrs.

MANSFIELD, OHIO.—The Mansfield Railway, Light & Power Co. proposes to spend $100,000 in improving its power plant in this city. S. A. Foltz is Gen. Mgr.

SHELBYVILLE, IND.—The Shelbyville Gas Co. has been formed to take over the Shelbyville Gas & Light Co. and will enlarge and rebuild the plant.

RICHMOND, IND.—It is announced that the United Gas & Electric Co., 40 Wall St., New York, N. Y., owning and controlling the Light, Heat & Power Co., of Richmond, has submitted another proposition to the City Council to buy the city plant. The proposition includes a willingness to accept a new franchise safeguarding the city as to rates, etc. The consideration is to be based on an estimate or appraisal to be made by competent electrical engineers. The Council and Board of Public Works has the proposition under advisement. J. D. Taylor, Jr., is Mgr. of the Light, Heat & Power Co., Richmond; and E. E. Witherby is Vice-Pres., New York. C. H. Rogers is Supt. of the municipal plant.

MONTICELLO, IND.—The Tippecanoe Electric & Power Co., recently incorporated, will ask for bids soon for raising a dam four feet and the construction and equipment of a modern power plant for the manufacture and distribution of electricity. Abraham S. Strouss, J. G. Smith and Henry Meyers are Dirs.

FISHER, ILL.—It is reported that the Village Trustes have decided to purchase the electric light plant of the Warner & Wardlaw Elec. Co., and will make improvements to the same. A. L. Warlow is Secy. and Mgr.

MADISON, WIS.—The lowest bid for constructing a ½-mile tunnel, which will connect the new capitol with the heating, storage and power plant, was submitted by Joseph Mitchell, of Madison, at $42,000.

PELLA, IOWA.—The electric plant of the Pella Electric Light & Power Co. has been purchased from Buwalda Bros., the owners, by Henry Rhynsberger and Walter Fowler, of this city. The plant will be improved thoroughly.

ST. PAUL, MINN.—The City Council, G. T. Redington, Clerk, has awarded the contract for gas and electric lighting streets here to the ST. PAUL GAS LIGHT CO., Sixth and Jackson Sts., at approximately $150,000 for 1908. The contract for gasoline lighting of streets was awarded to the PATTERSON STREET LIGHTING CO., New York Life Bldg., at $60,000.

NEBRASKA CITY, NEB.—Improvements will be made to the Citizens' Gas Co.'s gas plant. Estimated cost, $15,000.

PENDER, NEB.—M. M. Neumann has submitted a proposition to the Village Board to install an electric light plant.

ST. LOUIS, MO.—Bids are asked by the American Fidelity & Mfg. Co., Tenth, Herbert and Wright Sts., until Jan. 5 for the power plant work needed in connection with repair of plant, recently damaged by fire. Probable cost of improvements, $30,000.

ASHLAND, ORE.—The Rogue River Electric Co. has been organized to take over the property held by the Condon Water & Power Co., including the dam and power-house at Gold Ray, and the light and power system extending through the Rogue River valley, supplying electricity to the several towns of Grants Pass, Gold Hill, Central Point, Medford, Jacksonville and Ashland. The incorporators are C. R. Ray, Pres.; H. C. Stoddard, Secy., and W. O. Aldenhagen, all at present with the Condon Water & Power Co. The capital stock is $700,000.

LAKEPORT, CAL.—The Lake County Power Co. has been incorporated at Kelseyville, Cal., for the purpose of absorbing the old corporation organized two years ago to provide the city with electricity for lighting and gas for fuel. The power for generating the electricity will be secured from the natural gas well here, while the same source will be utilized for fuel gas. The company plans to have both plants running soon. Later it will furnish fuel and light to Lakeport. Geo. P. Low, of San Francisco, G. S. Cutler, of Calistoga, Robert Polk, of Upper Lake, and Judge M. S. Sayre and B. H. Henderson, of Lakeport, are the promoters. The company has secured quarters at Lakeport and will later establish a substation in that city.

MONROVIA, CAL.—The contract for installation of a power plant at the city wells is reported to have been awarded the EDISON ELECTRIC CONSTRUCTION CO., 1430 Geary St., San Francisco, by the City Council. The price is $11,450. The contract provides for a 100-HP. motor and a cement pit five feet in diameter [illegible] 100 feet deep, from the bottom of which [illegible] 12-in. drill will be put down 400 feet.

TORBROOK, N. S.—[illegible] Londonderry Iron Mining Co. will [illegible]tall a $40,000 electric plant at their m[illegible] here.

SHERBROOKE, QUE.—[illegible] & Holgate, North British & Mer[illegible] Bldg., Montreal, Que., are preparing [pla]ns for an electric light and power plant [fo]r this city. F. J. Griffith is City Treas.

OTTAWA, ONT.—The [C]ANADIAN GENERAL ELECTRIC CO., [illegible] 14 King St. East, Toronto, has been aw[ar]ded the contract for supplying certain light and electrical accessories for the Ottawa [illegible] lighting system, at a cost of $24,672. [illegible] J. Ker is City Engr.

TORONTO, ONT.—Bids are asked until Jan. 9, by H. F. McNau[illegible], Secy., Public Works Dept., Toronto, for rewiring the Parliament Buildings, Toronto.

CORNWALL, ONT.—The St. Lawrence Power Co.'s plant and [illegible] interests have been bought by a syndicate [illegible] of George G. Foster, Pres. and [managing] director, Samuel Willard Foster, [illegible] Stevens, C. Gordon Mackinnon, and T. [illegible] Coonan, all of Montreal. Plans for additions to this plant at a cost of considerably [over] $3,000,000 are now before the International Waterways Commission.

EDMONTON, ALTA.—A [site] has been selected for the municipal power plant where a 600-KW. gas producer [engine] will be installed. Plans and specifications for the buildings are now being prepared by R. R. Keely, City Engr.

CALGARY, ALTA.—The City Council has award the contract to the CALGARY POWER & TRANSMISSION CO. to supply power to the city for five years at a rate of $30 per horse-power per 24-hour day. The company is to have its plant constructed by March, 1909, and supply 5,000 HP.

BATTLEFORD, SASK.—The contract for the erection of the proposed power-house here has been awarded to W. J. BROLEY, of this city.

BRIDGES.

(denotes that this work is advertised in Engineering News.)*

BOSTON, MASS.—Plans for a suspension bridge, 8,400 ft. in length, to rise gradually from Adams Square, crossing the harbor at Battery wharf, and touching near Border St., East Boston, and making an air line thence to Central Square, have been submitted to the Mayor by William Jackson, City Engr.

The plans provide for freight, surface and elevated car tracks, two wagon roadways and a footpath. The grade is fixed at 3½ ft. in each 100 ft. Estimated cost, $15,000,000.

HARTFORD, CONN.—The Connecticut Bridge and Highway Commission has awarded to JOHN U. HARRIS, Hartford, the contract for removing the old temporary bridge across the Connecticut River between Hartford and East Hartford.

PHILADELPHIA, PA.—The City Council on Dec. 23 authorized the expenditure of $74,000 for the construction of the 29th St. bridge across the Pennsylvania R. R. tracks at Montgomery Ave. George R. Stearns is Dir. Pub. Wks.

BEAVER, PA.—We are officially advised that bids will be asked in about a month, by the Pittsburg & Lake Erie R. R. Co. for the construction of five bridge piers in the Ohio River at Beaver. The total amount of masonry needed is about 40,000 cu. yds. J. A. Atwood, Pittsburg, is Ch. Engr. Pittsburg & Lake Erie R. R. Co.

*PHILADELPHIA, PA.—Bids were received on Dec. 17 by the Philadelphia & Reading Ry. Co. for the following work on the P. G. & N. R. R.: Contract No. 5—Masonry, trestle and embankment from south side of Berks St. to the south side of Susquehanna Ave. Contract No. 7—Masonry, trestle and embankment from south side of Susquehanna Ave. to Broad St. Contract No. 8—Bridges from Berks St. to Broad St. Contracts were awarded on Dec. 26 as follows: No. 5, ARMSTRONG & LATTA, New Land Title Bldg., $368,790; No. 7, JAMES McGRAW, Arcade Bldg., $276,718; No. 8, the McCLINTIC-MARSHALL CONSTRUCTION CO., Park Bldg., Pittsburg, $336,785.

BRANCHLAND, W. VA.—The Guyan Bridge Co. has been incorporated with $50,000 capital stock by Alex. M. Parsons, Branchland, H. S. King and E. W. Fry, Midkiff, W. Va., and others.

WHEELING, W. VA.—Charles B. Cooke, City Engr., has prepared preliminary plans for the construction of a deck bridge at Market St., 66 ft. wide. Estimated cost, about $55,000.

BLACKSHEAR, GA.—The bridge over Satilla River will probably be built at cost of about $6,000 by the Commissioners of Pierce and Ware Counties.

BESSEMER, ALA.—The County Board of Revenue, County Court House, Birmingham, Ala., has ordered the erection of seven county bridges to be constructed of steel or concrete.

MERIDIAN, MISS.—The Meridian Railway & Light Co. will have a bridge 500 ft. long constructed over Sowashee Creek at foot of 27th Ave. F. L. Bailey, Meridian, is Ch. Engr.

HATTIESBURG, MISS.—The Bridge Committee has accepted the plans prepared by R. E. Lee, Arch., Ross Bldg., for the construction of three reinforced concrete bridges across Gordon Creek. J. H. P[illegible]am is City Engr.

GREENVILLE, MISS.—Bids are asked until noon, Jan. 6, by the Board of Supervisors, Washington County, for the construction of a bent bridge across Goose Lake, about 2½ miles north of Greenville. T. H. Hood is Clk. Bd.

WICHITA, KAN.—New plans will be drawn for the construction of the bridge across Chisholm Creek on East Douglas Ave. The bridge will be erected by the city and Wichita Railroad & Light Co. E. H. Sawin is City Engr. S. L. Nelson, Peoria, Ill., is Vice-Pres. and Gen. Mgr. Wichita R. R. & Light Co.

GREAT FALLS, MONT.—The County Commissioners are considering the erection of five or six steel bridges at different places in the county, but have not yet fully decided at what points the bridges will be built. This will be finally decided on Jan. 4. Bids will probably soon be asked.

DILLON, MONT.—Bids will soon be asked by the Board of County Commissioners for the construction of a steel truss bridge 96 ft. long at Ryan's Canyon.

OLD MONROE, MO.—Specifications for the construction of the bridge over the Cuivre River at Old Monroe, between Lincoln and St. Charles Counties, are on file at the office of Engineering News, New York. Bids are asked until Feb. 1.

POCAHONTAS, ARK.—The St. Louis, San Francisco & Texas Ry. Co. will have a bridge built across the Black River. C. E. Boss, Ft. Worth, Tex., is M. M. St. Louis, San Francisco & Texas Ry. Co.

GUTHRIE, OKLA.—Bids will soon be asked by the city for the construction of a concrete bridge on Fifth St. and a steel bridge on Ninth St.

PORT ORCHARD, WASH.—Bids are asked until Jan. 6, for the construction of an 80-ft. wooden bridge across Beaver Creek, near Waterman, and a 240-ft. wooden bridge across Taylor Creek, on south side of Eagle Harbor, both in Kitsap County. R. S. Hayward is County Audr.

FRESNO, CAL.—The contract for the construction of the pile trestle across the Kings River at Hardwick station was awarded on Dec. 18 by the Board of Supervisors to the PACIFIC CONSTRUCTION CO., 17 Spear St., San Francisco, Cal., at $14,983.

TUCSON, ARIZ.—We are officially advised that bids will soon be asked by Pima County for the construction of a 280-ft. steel highway bridge across the Rillito River. W. C. Goetz is County Surv.

BRANDON, MAN.—The city has plans for a reinforced concrete bridge of three 90-ft. spans and two 60-ft. spans with a 24-ft. clear roadway and provision for street car traffic. W. H. Shillingslaw is City Engr.

VICTORIA, B. C.—The date for receiving bids for the construction of the bridge on the North Arm of the Fraser River has been extended to Jan. 31. F. C. Gamble is Engr. Pub. Wks.

BUILDINGS.

(* *denotes that this work is advertised in Engineering News.*)

NEW YORK, N. Y.—We are officially advised that contracts will be let at once for construction of a 12-story brick and limestone store and loft building, with terra cotta trimmings. The building will be erected at 38 West 21st St. for Louis Sachs and will cost $300,000. Schickel & Ditmars, Fifth Ave. and 18th St., are Archs.

Plans have been filed for a 2-story office and store building to be erected for the Reformed Low Dutch Church of Harlem at the corner of Third Ave. and 121st St., adjoining the church. It is to be of brick and limestone with mezzanine windows and is to cost $100,000. V. Hugo Koehler, 489 Fifth Ave., is Arch.

NEW YORK, N. Y.—Bids are asked until 2 p. m., Jan. 10, by the Armory Board, for repairs to roofs, etc., of the 13th Regiment and the Eighth Regiment armories, Brooklyn. Harrie Davis is Secy.

The Murray & Hill Co., 617 West 130th St., New York, advises us that it will construct a 6-story brick tenement, 86.3 × 110.2 ft., at St. Nicholas Ave. and 165th St. Contracts will be let about March 1. Estimated cost, $150,000. J. C. Crocker, 103 East 125th St., is Arch.

ROCHESTER, N. Y.—Bids are being received for a 4-story apartment house which is to be erected on East Ave., according to plans prepared by Leon Stern, Chamber of Commerce Bldg. Estimated cost, $225,000. J. S. Quicke is Mgr. of the Security Bldg. Co.

It has been announced that the New York Central & Hudson River R. R. Co. has appropriated $1,500,000 for a new passenger station in Rochester. About 7½ acres adjoining the present station in Central Ave. have been purchased for about $400,000, so that the entire site will comprise 14½ acres. The plans for the new station contemplate a building that will cost $1,100,000. It will be east of Clinton Ave., which is the eastern boundary of the present station. A. W. Carpenter is Engr. of Structures, New York.

PASSAIC, N. J.—Seymour & Paul A. Davis, 1600 Chestnut St., Philadelphia, will prepare plans for a 3-story high school building for the Board of Education, Passaic, to cost $200,000.

HAZLETON, PA.—We are offically advised that R. W. Taylor, of the Luzerne Engineering Co., Hazleton, has been selected as architect in remodeling West Hazleton school house.

BALTIMORE, MD.—Wyatt & Nolting, Keyser Bldg., Baldwin & Pennington, Professional Bldg., Mottu & White, 306 North Charles St., and Joseph Evans Sperry, Calvert Bldg., are the architects who have been invited to submit competitive plans for the apartment house to be erected at the corner of Eutaw Pl. and Dolphin St. by Alonzo M. Hurlock and E. J. W. Revell. Estimated cost $175,000.

RICHMOND, VA.—We are officially advised that the plans prepared by Charles K. Bryant for erection of armory for the Richmond Light Infantry Blues, to cost about $150,000, have been forwarded to the Finance Committee of the City Council and it is probable that it will be several weeks before the plans are adopted. The first floor will be used as vegetable market, second floor for company rooms and military purposes, and third floor as drill hall, with floor space of 17,040 sq. ft. In basement will be rifle range, containing 7,298 sq. ft., swimming pool, shower baths, etc. It will be constructed on site of the Second Market. Major E. W. Bowles, 401 East Franklin St.

NEW ORLEANS, LA.—The city has awarded contract to JEFFERSON CONSTRUCTION CO., 531 Natchez St., for erection of an annex to the city hall from plans by Allison Owen, Perrin Bldg. The structure will be six stories high, steel, fireproof, of press brick, terra-cotta construction and will cost $273,000.

CHATTANOOGA, TENN.—Contracts have been awarded as follows for the construction of City Hall (bids opened Dec. 10): General contract, to JOSEPH TRIMBY, $157,750; heating, to LOOKOUT HEATING & SUPPLY CO., $5,935; plumbing, to T. S. WILCOX PLUMBING CO., $3,680; and wiring, to TERRELL-HEDGES CO., $1,593, all of Chattanooga. R. H. Hunt, Eighth and Broad Sts., Chattanooga, is Arch. Noted on Dec. 26.

*CHATTANOOGA, TENN.—Bids are asked until 3 p. m., Feb. 11, by James Knox Taylor, Superv. Arch., Washington, D. C., for Construction Co., Times Bldg., St. Louis, Mo., post-office and court-house at Chattanooga.

CHATTANOOGA, TENN.—We are officially advised that no definite date has been set for receiving bids for constructing a 5-story brick and stone Y. M. C. A. building at Chattanooga, 100 × 120 ft. The building will cost about $100,000; equipment, $20,000. The contract for excavation has been let to the NORTH AMERICAN BUILDERS' CO., Chattanooga. R. H. Hunt, News Bldg., is Arch.; T. L. McGill is Secy.

LANCASTER, OHIO.—Bids are asked until noon, Jan. 15, by J. B. Mattingly, Pastor, St. Mary's Church, for construction of St. Mary's Convent, for St. Mary's Parish, Lancaster.

DAYTON, OHIO.—Bids are asked until Jan. 15, by Albert Pretzinger, Arch., Reibold Bldg., Dayton, for constructing a 10-story brick business building, 80 × 120 ft., at Fourth and Ludlow Sts., for Adam Schantz, Arcade Bldg., to cost $150,000.

CHICAGO, ILL.—Plans for the LaSalle Hotel have been completed by Holabird & Roche, Monadnock Block, and contracts for the construction will be awarded soon. The building, which will be located on the corner of LaSalle and Madison Sts., is to cost $2,800,000 without the furnishings, which it is estimated will cost nearly $1,000,000 additional. The capital behind the project is being furnished by the Hotel LaSalle Co. Construction work will commence between March 1 and May 1. The hotel will be 22 stories above ground and two stories below. The ground is 178 × 162.5 ft., having an area of 29,000 sq. ft. The hotel will contain 1,170 rooms.

The Monarch Electric & Wire Co., 125 South Clinton St., may erect a building on West Adams St. during the year. Louis A. Schwab, Nathan Deutsch and Henry Schwab, officers of the company, have leased a lot 119 × 100 ft. at 111 to 119 West Adams St. and will soon begin work on a reinforced concrete structure to cost about $100,000.

NORMAL, ILL.—The following contracts have been awarded for erection of a Manual Arts and Auditorium building, at Normal, Ill., for the Illinois State Normal University, Charles L. Chapen, Chn. Bldg. Com.: general construction, J. L. SIMMONS, 2162 West Madison St., Chicago; heating, R. HAAS CO., Springfield, Ill. The building will have two stories and will be 120 × 126 ft., brick and stone. Cost, $110,000.

MILWAUKEE, WIS.—The contract for erecting the normal school building will probably be let by the end of January. The plans are nearly finished. It will be a 3-story building, containing 45 rooms and a hall, with a seating capacity of 900. It will be built of press brick and stone trimmings. The State Board of Normal Regents estimate that the building can be erected for $220,000, including equipment. J. A. Peacock, Oconomowoc, Wis., is Pres. Bd.

MISSOULA, MONT.—The County Commissioners of Missoula, Missoula County, have called for bids for design of a court-house at Missoula, to cost $150,000.

FERGUSON, MO.—V. J. Klutho, Benoist Bldg., St. Louis, will soon start plans for convent buildings, near Ferguson, for the Brothers of Mary Corporation, to cost $150,000.

KANSAS CITY, MO.—H. R. Wilson, Arch., 218 LaSalle St., Chicago, Ill, has made plans for 12-story office and mercantile building, 60 × 110 ft., at Eleventh and Walnut Sts., Kansas City, for Eli Meyer & M. C. Simon, Rochester, N. Y. Cost, $400,000. Bids will be received by architect on general contract.

ST. LOUIS, MO.—The W. Rus. Samuel Construction Co., Times Building, St. Louis, will erect an apartment house 74 × 110 ft., four stories and basement, reinforced fireproof construction; cost, $200,000.

HOUSTON, TEX.—Lang & Witchell, Wilson Building, Dallas, Tex., are the successful architects for the new Harris County Courthouse, at Houston. The building will have four stories and basement, with a dome, and will have fireproof construction throughout. It will be built of concrete to base line, Texas granite to second story, and from there to roof line of press brick. Total cost, $500,000. George F. Horton is County Engr.

DENVER, COLO.—The Denver "Post" states that an apartment house to cost from $250,000 to $300,000 will be built on Grant Ave., between 14th and Colfax Aves., opposite the entrance to the State House, by a syndicate headed by N. C. Merrill and Fallis & Stein, Archs., Colorado Bldg. The building will be eight stories high, will cover three lots and will be of reinforced concrete. There will be 96 suites in the building. The apartment house will have marble entrances and stairs and tile floors. The window casings and window sashes will be of metal.

COLORADO SPRINGS, COLO.—James Knox Taylor, Superv. Arch., Treasury Department, Washington, D. C., has rejected all bids recently received for the construction of a postoffice building at Colorado Springs, Colo., and will readvertise for bids. It is his purpose to construct a granite postoffice, if possible, under the new advertisement.

OGDEN, UTAH.—Bids are asked until 3 p. m., Feb. 17, by James Knox Taylor, Superv. Arch., Washington, D. C., for construction (except heating apparatus, and conduit and wiring) of an extension to the U. S. postoffice and courthouse building at Ogden.

ST. PAUL, QUE.—A Presbyterian Church will be erected here to take the place of the one recently destroyed by fire, at a cost of about $165,000. A. J. Aubrey, 165 Church Ave., St. Paul, is interested.

WINNIPEG, MAN.—Bids are asked until Jan. 18 for construction of a building at the corner of Portage Ave. and Carlton St., for the Ontario, Manitoba & Western Land Co. Wardell & Nichols, architects, 499 Main St., Winnipeg.

WINNIPEG, MAN.—S. Hooper, McIntyre Block, is preparing plans for a fireproof theatre building to be erected early in the spring on Notre Dame Ave. by local capitalists. Estimated cost, $100,000.

REGINA, SASK.—Plans prepared for the proposed legislative buildings by E. & W. S. Maxwell, 6 Beaver Hall Sq., Montreal, Que., were awarded the first prize in the competition. The successful plans call for buildings to cost approximately $1,250,000, bids for which will be called shortly. F. J. Robinson is Deputy Minister of Public Works, Regina.

CALGARY, ALTA.—At a recent meeting of the Calgary General Hospital Board it was decided that the Building Committee, in conjunction with the City Council Committee and Medical Board, take the four best plans and ask for specifications for the Board's approval on a building not to cost more than $140,000, same to be in by Feb. 1, and other plans to be returned. H. E. Gillis is City Clerk.

VICTORIA, B. C.—J. C. M. Keith, Old Colonist Bldg., Victoria, is preparing plans for a 5-story bank building to be erected at the corner of Yates and Government Sts. for the Northern Bank. J. W. de C. O'Grady is Gen. Mgr., Winnipeg, Man.

CHINA.—Designs for municipal buildings. Competition closes on Feb. 15. See under Foreign Contracts.

WATER SUPPLY—IRRIGATION.

(* *denotes that this work is advertised in Engineering News.*)

NEW YORK, N. Y.—Bids are asked by Louis Haffen, Pres. Boro. of the Bronx, until 11 a. m., Jan. 7, for repairing and extending a drain in White Plains road, from a point about 142.7 ft. south of Bartholdi St., to Bartholdi St., and in Bartholdi St. from White Plains road to the existing drain in Barnes Ave. (Cedar St.)

SYRACUSE, N. Y.—We are officially advised that the PASSAIC STEEL CO., 170 Broadway, New York City, has been awarded the contract for the steel work for the new steel aqueduct to be built for the New York Central & Hudson River R. R. Co., just east of Syracuse. The sub-structural work and the erection of the steel will be done by the railroad company's forces. Geo. W. Kittredge is Ch. Engr., New York Central & Hudson River R. R. Co.

We are officially advised that plans are being prepared from surveys recently made for additional pipe line 20 miles long, probably 30 in. diameter, from Skaneateles Lake to the city reservoir, and also for a high service reservoir. Bids may be asked in about one month for furnishing pipe, and in three months for the other work. Henry C. Allen is City Engr. Noted Dec. 26.

SPENCERPORT, N. Y.—The incorporation papers of the Spencerport Water Co., which is to install a system of water works and sewerage here, have been signed and returned from Albany. Representatives of the company will meet with the Board of Trustees in a few days and the necessary arrangements for the installation of the water and sewer systems will be made. It is the intention to begin work as soon as weather permits in the spring.

CAMDEN, N. J.—Two bids for increasing the city's daily water supply by about 5,000,000 gallons were received on Dec. 17, as follows: J. S. Sweigard, Betz Bldg., Philadelphia, Pa., for building an auxiliary plant and furnishing water independent of the city's present supply, at 4½ cts. per 1,000 gals. and to sell the plant to the city at their option of $250,000; N. P. Quinn, for building a plant to supply water, at $15 per million gals. a day, and to sell the plant in five years for $500,000; in ten years for $300,000; 25 years, $260,000; 30 years, $230,000.

FAIRCHANCE, PA.—Bids will probably be asked in March by the City Council for the construction of water works, to cost about $20,000. Geo. Scudder, Uniontown, Pa., is Engr.; Joseph Farrell is Clk. Council.

BALTIMORE, MD.—The City and County authorities are discussing an agreement for the construction of a 20-billion gal. reservoir in the Gunpowder River Valley and the application to the legislature for permission to raise $5,000,000 for acquiring the water rights.

ANNAPOLIS, MD.—Bids are asked until Jan. 14, by Bureau Supplies and Accounts, Navy Dept., Washington, D. C., for water pipe system at this place.

BURLINGTON, N. C.—We are officially advised that $100,000 of bonds have been voted for waterworks and sewerage systems. Plans are being prepared and bids will be asked in about two months. Gilbert C. White, Dunham, N. C., is Engr. in charge.

NEW ORLEANS, LA.—Bids will soon be asked for a 4,000,000-gal. direct-acting compound-condensing pumping horizontal engine for the Algiers water purification station. George C. Earl is Gen. Supt. Sewerage and Water Bd.

ASHTABULA, OHIO.—Plans for a filtration plant for the water supply have been adopted. The plans call for a building 60x108 ft., in which is to be installed apparatus for a filtering capacity of 6,000,000 gals. a day. This will include one wash water tank 25x25 ft., two sedimentation tanks 42x25 ft. each, two steel settling tanks, 42 ft. in diameter and 25 ft. high, eight filters 14x20 ft., and all other necessary features. Auxiliary to the main building will be a filter house 36x61 ft.

FRANKFORT, IND.—Bids are asked until 2 p. m., Jan. 11, by Henry Moore, Drainage Comr., Court House, Frankfort, for the construction of the Wm. F. Sanders ditch, known in the Clinton Circuit Court as Cause No. 701.

SPRINGFIELD, ILL.—Bids will soon be asked by the City Council for the construction of a dam and the diversion of the course of Spring Creek. Frank H. Hamilton is City Engr.

KENOSHA, WIS.—The Council contemplates building a new intake for the Kenosha municipal water plant. It is planned to extend the intake into the lake 6,000 ft., and the estimated cost of the change in the system will be about $75,000.

ROCKWELL CITY, IOWA.—Bids are asked until Jan. 6 by I. E. Dougherty, Town Clk., for constructing a 4-in. water main.

FARGO, N. DAK.—Bids are asked until 5 p. m., Jan. 6, by N. C. Morgan, City Audr., for the construction of a 6-in. water main on Fouth St. north, extending from Fifth Ave. north to Sixth Ave. north, in water main Dist. No. 2.

MINOT, N. DAK.—Bids will probably be asked at once for the construction of water works. Estimated cost, about $150,000.

BAY CITY, TEX.—The JOHN W. MAXEY CONSTRUCTION CO., Houston, has secured the contract for constructing water works for Bay City at about $25,000.

BEAUMONT, TEX.—The Neches Canal Co., Will Carroll, Pres., will install additional machinery in its irrigation pumping plant, including two cycloidal pumps, each having capacity of 35,000 gals. per minute; two 18 and 36 × 48-in. compound condensing Corliss engines, one 450-HP. water-tube boiler, condenser feed-water pumps, etc. The contract has been awarded to CONNERSVILLE BLOWER CO., Connersville, Ind., at about $90,000. The present plant has a capacity of 140,000 gals. per minute, and the additional equipment will increase the capacity about 50 per cent. The machinery will be installed in a frame building, and the entire improvement work will cost about $125,000.

CLAREMORE, OKLA.—We are officially advised that bids are asked until 7 p. m., Jan. 6, for the following water-works supplies: Cast-iron pipe and special castings, gate valves and boxes, pumping machinery, electrical equipment. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., are Engrs. in Charge.

SEATTLE, WASH.—We are officially advised that R. H. Thomson, City Engr., has estimated the cost of laying water mains in 34th Ave. and other streets, at $4,720.

Ordinances have been passed ordering the following improvements: 36th Ave. and East Terrace St., water mains; estimated cost, $7,300; Phinney Ave. and other streets, hydrants to existing mains; estimated cost, $20,200.

BEAUMONT, CAL.—BRYANT & KING, Pasadena, Cal., were awarded the contract on Dec. 14 by the Beaumont Land & Water Co. for the construction of a cement reservoir in Edgar Canyon, 30 x 6 ft., and for furnishing and laying 5,450 ft. 12-in. steel and cement pipe.

SAN LUIS OBISPO, CAL.—The Board of City Trustees has awarded the NATIONAL SUPPLY CO. the contract for furnishing the city with 1,500 ft. of 7⅝-in. screw joint water pipe at 67½ cts. per ft.

CARLETON PLACE, ONT.—See under Sewers.

SWIFT CURRENT, SASK.—Galt & Smith, Consulting Engrs., Toronto, are preparing a report for a water works system for this place. Estimated cost about $50,000.

WINNIPEG, MAN.—Bids are asked by the Board of Control, until Jan. 15, for furnishing 200 6-in. and 25 8-in. waterworks hydrants. M. Peterson is Secy. Bd.

EDMONTON, ALTA.—Bids will probably be asked in April for water works improvements. Estimated cost, about $40,000. R. R. Kelly is City Engr.

SEWERAGE.

(* *denotes that this work is advertised in Engineering News.*)

NEW YORK, N. Y.—Bids are asked until 11 a. m., Jan. 7, by Louis F. Haffen, Pres. Boro. of the Bronx, for constructing sewer and appurtenances in Anderson Ave., between West 164th St. and Shakespeare Ave.; in East 163d St., between Sheridan Ave. and the Grand Boulevard and Concourse, and in the Grand Boulevard and Concourse, East Side, between East 163d St. and East 165th St., and in the Grand Boulevard and Concourse, West Side, between East 164th St. and East 165th St.; in East 181st St., between Valentine and Ryer Aves.; in Truxton St., between East River and Leggett Ave., and in Leggett Ave., between Truxton St. and Dawson St., at its intersection with East 156th

St.; in East 156th St., between Dawson St. and its intersection with Leggett Ave., and Tinton Ave.; in Whitlock Ave., between Leggett Ave. and Longwood Ave., and in Longwood Ave., between Whitlock Ave. and the Southern Boulevard; in Jerome Ave., between Mosholu Parkway South and a point about 500 ft. southerly therefrom. Bids are also asked for constructing receiving basins and appurtenances at the southeast corner of Creston Ave. and East 193d St.; northeast corner of Creston Ave. and East 193d St.; southeast corner of Creston Ave. and East 197th St.; southeast corner of Creston Ave. and East 198th St.; southwest corner of Creston Ave. and East 198th St.; and at the northeast corner of East 162do St. and Sherman Ave.; southwest corner of East 164th St. and Sherman Ave.; northwest corner of East 164th St. and Sherman Ave., and at the southwest corner of East 160th St. and Trinity Ave.

ROCHESTER, N. Y.—The contract for the construction of the Summerville and Windsor Beach sewer has been awarded to THOMAS HOLAHAN, 164 Lewis St., Rochester, at $30,000.

SYRACUSE, N. Y.—Bids will be asked in the spring for the construction of intercepting sewers. Estimated cost, about $500,000. Glenn D. Holmes, Syracuse, is Ch. Engr. Intercepting Sewer Bd.; Henry C. Allen is City Engr.

SENECA FALLS, N. Y.—The Council is contemplating the extension of the sewer system. Estimated cost, $68,000.

GLOUCESTER CITY, N. J.—At a special session of the City Council on Dec. 26, plans and specifications were adopted for constructing sewers, water and fire mains, grading, macadamizing and guttering East Brown, East Bergen, Chambers, Gaunt, Somerset, Catherine and Francis Sts. Estimated cost, $75,000.

McKEESPORT, PA.—Bids are asked until Jan. 7, by C. E. Soles, City Compt., for constructing a 24-in. terra cotta sewer in West Sixth St., a 15-in. terra cotta sewer in Beech St. and a sewer at No. 4 fire station.

NEW CUMBERLAND, PA.—Plans are being prepared for the construction of a new sewer system. Estimated cost, $30,000.

ORRVILLE, OHIO.—S. W. PARSHALL, Akron, Ohio, has been awarded the contract for constructing sewage disposal plant, at $17,971.

STEUBENVILLE, OHIO.—Bids are asked until noon, Jan. 13, by T. W. Vance, Clk. Bd. Pub. Serv., for constructing sewers in Fifth St. and in Alley E.

ZANESVILLE, OHIO.—The contract for the construction of the high level intercepting sewer was awarded on Dec. 20 by the Board of Public Service to CYRUS M. LONG, at $74,370. H. H. Kennedy is City Audr.

LAKEWOOD (Cleveland post-office), OHIO.—We are officially advised that M. P. CAMPBELL, 11225 Detroit Ave., Cleveland, Ohio, was awarded the contract by the city for the construction of a sewer in Nicholson Ave. B. M. Cook is Town Clk.

SOUTH BEND, IND.—Bids are asked by the Board of Public Works until Jan. 7, for the construction of about four miles of pipe sewers up to 30-in. diameter with manholes, flush tanks, etc. A. J. Hammond is City Engr.

EVANSVILLE, IND.—The contract for the construction of the Seventh Ave. sewer from Franklin St. to Lamasco St. has been awarded to the NEWMAN VINEYARD CO. at 69 cts. per lin. ft.; inlets, $30; manholes, $23. John D. Saunders is City Engr.

MUNCIE, IND.—The Board of Public Works has ordered plans and specifications for the construction of a sewer on the West Side.

BELLEVILLE, ILL.—REEB BROS., Belleville, have been awarded the contract for constructing Sewers in Race, High and Church Sts., at 65 cts. per lin. ft. for 12-in., 80 cts. for 15-in. pipe; $40 for manholes; $35 each for catch basins.

The STOLTZ SUPPLY CO., Belleville, secured the contract for 12-in. pipe sewers in Second Ave. and D St., alley between High and Jackson Sts. and Jackson St. at 72 cts., 54 cts. and 57 cts; manholes, $36 and $35; catch basins, $34.50. Fred. Deutschmann, Jr., is City Engr.

WOODSTOCK, ILL.—It is proposed to construct a sewerage system, to cost about $80,000. W. S. Shields, 1201 Hartford Bldg., Chicago, Ill., is Engr. Lynn Richards is City Clk.

RACINE, WIS.—The contract for the construction of the storm sewer on Herrick Ave. was awarded to H. C. HANSON by the Board of Public Works on Dec. 21, at $2.99 for 15-in. pipe and $25 each for deepening manholes. P. H. Connolly is City Engr.

ST. PAUL, MINN.—The Board of Public Works, R. L. Gorman, Clk., has awarded the contract for installing a gravity sewer system in Hastings Ave. and Point Douglass Road to THORNTON BROS., 402 Scandinavian-American Bank Bldg., St. Paul, at $37,600.

GALENA, KAN.—The City Council has authorized W. L. Ricksecker, City Engr., to prepare plans and specifications for the construction of lateral sewers, to cost about $30,000.

SEATTLE, WASH.—The following bids were received for the improvement of Third Ave. North, from Aloha St. to a point 120 ft. south from Galer St., by constructing sewers: Smith & Peterson, $4,797; H. F. John & Co., $4,897; McAdam & Co., $4,222.

REDONDO, CAL.—The following bids were opened on Dec. 17 by the Board of City Trustees for the construction of a septic sewer system, the working including the laying of 45,000 ft. 8-in. pipe, 16,300 ft. 10-in. pipe, 444 ft. 12-in. pipe, 2,030 ft. 12-in. pipe, 250 ft. 16-in. pipe, one septic sewer tank, 91 manholes, 49 flush tanks, 14 lamp holes: F. O. Engstrom, $74,737; Knight & Hyde, $60,268; CALIFORNIA ORNAMENTAL BRICK CO., $57,779, awarded contract; J. H. Dobson, $68,482; Greenwald & Donlon, $64,620; A. S. Bent and R. C. Lowell, $57,154; F. Neiman, $61,814; William Frick and M. O'Classon, $58,085; J. B. Ware & Son, $65,338; W. T. McBride, $66,513.

OAKLAND, CAL.—Bids are asked by the Board of Public Works until 11 a. m., Jan. 15, for the construction of an extension of the east side sewer from East Eighth St. to the southern line of the Southern Pacific Ry. Company's lands. Walter B. Fawcett is Secy. Bd.

SACRAMENTO, CAL.—The city has voted $200,000 of bonds to complete the sewer system. George Randall is City Engr.

RENO, NEV.—W. H. Bialock was low bidder for excavating and backfilling 2,200 ft. sewer trench, 5½ x 2 ft., rock, clay and loam excavation, at 40 cts. per lin. ft. Other bidders were: The Reno Construction Co., 54 cts.; S. Lund, 68 cts.; A. Roberts, $1.10; C. Rogers, 40 cts. H. B. Maxson is City Engr.

GUELPH, ONT.—J. A. LE GRAND, Guelph, has been awarded the contract for the erection of septic tanks in connection with the sewage system of this city, at about $4,435.

TORONTO, ONT.—C. H. Rust, City Engr., has recommended the construction of an overflow sewer from the University Creek sewer eastward to the Don River, at an estimated cost of $200,000.

CARLETON PLACE, ONT.—The Town Council is considering a by-law to raise $200,000 for the installation of a sewage and water-works system for this town.

VANCOUVER, B. C.—The City Council has voted the following amounts for public improvements to be completed during 1908: Sewers, $400,000; concrete walks, $100,000; pavements, $300,000.

GARBAGE DISPOSAL.

(denotes that this work is advertised in Engineering News.)*

NEW YORK, N. Y.—Bids are asked until 11 a. m., Jan. 13, by Joseph Bermel, Pres. Boro. Queens, for furnishing all the labor and materials required for the removal of snow and ice.

The following are the bids opened on Dec. 18 by Foster Crowell, Comr. Street Cleaning, for removal of snow and ice in Boros. of Manhattan and Bronx, according to sections, the price given being per cu. yd.: (a) Sect. 1, (b) Sect. 2, (c) Sect. 3, (d) Sect. 4, (e) Sect. 5, (f) Sect. 6, (g) Sect. 7, (h) Sect. 8, (i) Sect. 9, (j) Sect. 10, (k) Sect. 11, (l) Bronx: E. J. Duggan, (a) 33¾ cts., (b) 37 cts., (c) 37¼ cts., (d) 36¾ cts., (e) and (f) 34¾ cts., (g) 34¼ cts., (h) 39¼ cts.; Thompson Bros. Co., 141st St. and Fifth Ave., (k) 28 cts.; J. T. Shaughnessy, 636 West 131st St., (a), (b) and (c) 36.9 cts., (d) and (e) 35.9 cts., (f) 36.9 cts., (g) and (h) 37.9 cts. (i) 31.9 cts., (j) and (k) 32.9 cts., (l) 35.9 cts.; Wm. Bradley, 68th St. and North River, (b) 38 cts., (d) 39 cts.; J. J. Dooley & Co., 157th St. and Amsterdam Ave., (g) and (h) 37 cts., (j) 31 cts., (k) 32 cts.; Williams Engineering & Contracting Co., 21 Park Row, (a), (b), (c) and (d) 42 cts., (e), (f), (g) and (h) 41 cts., (i) 34 cts., (j) 32 cts., (k) 30 cts., (l) 25 cts.; Atlanta Contracting Co., 432 East 91st St., (j) 37 cts.; P. Reddy, Lenox Ave. and 111th St., (h) 42 cts., (i) and (j) 35 cts., (k) 32 cts.; J. W. Dunican, 285 East 134th St., (l) 19 cts.; Canavan Bros. Co., 518 West 56th St., (a) 63 cts., (b) and (d) 57 cts., (c) 64 cts., (e) and (i) 45 cts., (f) 55 cts., (g) 42 cts., (h) 57 cts., (j) and (k) 51 cts.; Estate of P. H. Keahon, 108 Tenth Ave., (c) 49 cts.; Thos. Crimmins Contracting Co., 444 East 69th St., (a) 64 cts., (b), (d) and (f) 53 cts., (c) 72 cts., (e) 54 cts., (g) and (h) 50 cts., (i) and (j) 39 cts., (l) 42 cts.; T. Du Marco, 80 Mulberry St., (e) 37 cts., (h) and (k) 30 cts., (l) 26 cts.; W. W. Masterson, 187th St. and Washington Ave., (a) and (b) 43 cts.; O'Grady Bros., Brooklyn, (a) 49.9 cts.; P. J. Kane, 933 East 150th St., (h) 32½ cts.; T. T. Willigan, 1037 Fox St., (l) 24 cts.; Chas. Schneider, 167th St. and Findlay Ave., (l) 22 cts.; Indelli & Conforti Co., 507 East 119th St., (j) 41 cts.

MEMPHIS, TENN.—The United States Utilization & Construction Co., Vincennes, Ind., will install a plant for the reduction of dead animals and refuse matter; about $25,000 is to be invested.

VICTORIA, B. C.—The City Council is considering the advisability of submitting a by-law to the ratepayers, which would provide the sum of $54,000 for the erection of an incinerator. C. H. B. Topp is City Engr.

STREETS AND ROADS.

(denotes that this work is advertised in Engineering News.)*

ATTLEBORO, MASS.—Bids are asked by the Selectmen, until Feb. 1, for the construction of the South Attleboro road.

NEW YORK, N. Y.—Bids are asked until 11 a. m., Jan. 7, by Louis F. Haffen, Pres. Boro. Bronx, for paving with granite block pavement on a sand foundation the roadway of Burnside Ave., from Webster Ave. to Aqueduct Ave., and setting curb where necessary.

*ALBANY, N. Y.—Bids are asked until noon, Jan. 20, by Frederick Skene, State Engr., and Surv., for the improvement of public highways.

Bids are asked until noon, Jan. 23, by Frederick Skene, State Engr. and Surv., for the improvement of public highways. Full list of highways and approximate mileage is given in the advertisement in this issue.

FORT HAMILTON (Brooklyn post-office), N. Y.—Specifications are on file at the office of Engineering News, New York, for regrading the Glacis of "Old Redoubt" and the section of Glacis in the rear of bachelor officers' quarters. Bids are asked until Jan. 15.

PATCHOGUE (L. I.), N. Y.—Blue-print of the proposed shore driveway between Rider and Cedar Aves. is on file at the office of Engineering News, New York. Bids are asked until Jan. 14. J. Fred. Flugrath is Village Clk.

*NEWBURGH, N. Y.—Bids are asked until 5 p. m., Jan. 7, by D. J. Coutant, City Clk., for paving and permanently improving that portion of South St. lying between Lander and Liberty Sts., with vitrified block, asphalt block, or Warren bitulithic pavement. W. J. Blake, Jr., is City Engr.

BROOKLYN, N. Y.—Bids are asked until 11 a. m., Jan. 15, by Bird S. Coler, Boro. Pres., for regulating, grading, curbing and laying sidewalks on various streets.

*HACKENSACK, N. J.—Bids are asked until 8 p. m., Jan. 6, by the Hackensack Improvement Commission for three 600-gal. Studebaker sprinkling wagons, and for a new 10-ton Buffalo-Pitts steam roller.

NEW BRUNSWICK, N. J.—JOHN F. SHANLEY & CO., Newark, were awarded the following contracts by the Board of Freeholders of Middlesex County, on Dec. 27, for improving the Colnia to Avenue Station road, 8,416 ft., at $12,800; Plainsboro road, 5,300 ft., at $6,624.

WASHINGTON, D. C.—Bids were received as follows on Dec. 26, at the office of the Commissioners of the District of Columbia, for (a) furnishing 12,000 ft. of straight granite curbing and (b) 1,500 ft. of curved curbing: W. P. Evans, Lithonia, Ga., (a) 97 cts. per ft.; (b) $2 per ft. Wise Granite Co., Wise, Warren Co., N. C., (a) 99 cts.; (b) $1.30. Georgia Granite Co., Atlanta, Ga., (a) 99 cts.; (b) $1.30. Bragdon, Fernald & Gordon, Franklin, Me., (a) $1.20; (b) $1.60.

MEMPHIS, TENN.—Bids are asked until noon, Jan. 8, by Ennis M. Douglass, City Register, for paving Mississippi boulevard from Iowa Ave. southward as far as $10,000, appropriated from the present turnpike fund, will carry the work. From Iowa Ave. to Walker Ave. the pavement will be vitrified brick on concrete foundation, and south of Walker Ave. cementing gravel with brick gutters.

COLUMBUS, OHIO.—We are officially advised that Henry C. Maetzel, City Engr., has prepared plans and specifications to abolish grade crossings here. The following companies are interested: The Toledo & Ohio Central Ry. Co., the Hocking Valley Ry. Co., the Baltimore & Ohio R. R. Co., the Columbus Railway & Light Co., the Scioto Valley Traction Co., and the Ohio Electric Ry. Co. R. H. Simpson, Asst. City Engr., is Engr. in charge.

EAST LIVERPOOL, OHIO.—Willis Davidson, City Engr., will prepare plans and specifications for paving 17th St.

VEVAY, IND.—Bids are asked by the Commissioners of Switzerland County, until 2 p. m., Jan. 6, for the construction of 3,870 ft. of gravel road in Cotton township. L. J. Woolen is County Audr.

WEST LAFAYETTE, IND.—Bids are asked by the Town Trustees, until Jan. 20, for paving South St. and Northwestern Ave. Chas. T. Stallard is Town Clk.

INDIANAPOLIS, IND.—Bids will soon be asked by the Board of Public Works for the following street work: For graded gravel roadway, brick gutters, cement walks and curb, in Steele St.; same in Union St.; for brick roadway in first alley north of 12th St.; same in second alley north of 12th St., and for cement walks in Butler Ave.

COLUMBUS, IND.—Bids are asked by the Commissioners of Bartholomew County, until Jan. 7, for the construction of three free gravel roads in Wayne township; the Wright road, 8,317 ft. in length, the Thompson road, 7,160 ft. in length, and the Waynesville road 10,621 ft. in length. John M. Davis is County Audr.

WASHINGTON, IND.—Bids are asked by the Commissioners of Daviess County, until 2 p. m., Jan. 7, for the construction of the Edwards gravel road in Steele township. Thomas Nugent is County Audr.

PAOLI, IND.—Bids are asked by the Commissioners of Orange County, until 2 p. m., Jan. 7, for the construction of 9,971 ft. of gravel road.

ROCKVILLE, IND.—Bids are asked until 1 p. m., Jan. 9, by H. A. Henderson, County Audr., for the construction of certain gravel roads in Harvard township.

CHICAGO, ILL.—Ordinances have been passed for improving the following streets: Wentworth Ave., between Root St. and Garfield boulevard, granite blocks; estimated cost, $191,000; Maxwell St., between Canal and Morgan Sts., asphalt, $48,500; Lock St., between Archer Ave. and 31st St., asphalt, $11,500; Greenwood Ave., from 60th to 65th Sts., asphalt, $32,500; Lexington Ave., from 61st St. to 65th St., asphalt, $30,500; Woodlawn Ave., from 60th St. to 67th St., asphalt, $54,000; a paving system for a section of Ravenswood at a cost of more than $200,000 has also been approved.

GIBSON CITY, ILL.—It is proposed to lay about 36,087 sq. yds. brick pavement at a cost of $60,000 to $70,000. C. F. Helman, Paxton, Ill., is Engr. William A. Davidson is City Clk.

*CHAMPAIGN, ILL.—Bids are asked by the Board of Local Improvements, until 2 p. m., Jan. 8, for grading, curbing, draining and paving Daniel St. with asphalt, the approximate quantities being as follows: Excavation, 5,950 cu. yds.; asphalt pavement, concrete foundation, 8,320 sq. yds.; combined curb and gutter, 5,700 lin. ft.; retaining and false curb, 442 lin. ft.; gutter plates, 40; catch basins, twelve; 8-in. V. C. P., 1,820 lin. ft.

MINDORO, WIS.—LOUIS MILLER has been awarded the contract for constructing main portion of new highway between Mindora and West Salem, at $7,500.

ST. LOUIS, MO.—Specifications for the improvement of Forest Park boulevard from Grand Ave. to Boyle Ave., are being prepared by the Street Commissioner. The plan is to have a 50-ft. planting space in the center, a driveway of 30 ft., and a sidewalk 20 ft. wide on each side of the street.

STAMFORD, TEX.—The city has voted $20,000 of bonds for street improvements.

SEATTLE, WASH.—We [illegible] officially advised the following con[illegible] have been awarded by the Board of [illegible] Works: 4th Ave., north, grading, [illegible] HUR TONG [illegible] $5,885; and HORACE ALLISON, [illegible] RARDIN [illegible] West Ewing St., planking, [illegible] HOLT [illegible] Seattle, $2,195; Florentia St. [illegible] & JEFFERY, 310 Hinckley [illegible] $7,303; Wellingford Ave. [illegible] grading, ANDREW PETE[illegible] Washington Block, Seattle, [illegible]

SEATTLE, WASH.—R. H. [illegible] Engr., has estimated the co[illegible] Utah and other streets at $1[illegible]

Ordinances have been pass[illegible] ordering the improvement of Madison St. [illegible] paving with sandstone block. Estimated [illegible] $21,550.

The following bids were r[illegible] on Dec. 21, by the Board of Public W[illegible] for grading Roanoke and other street[illegible] $15,088 (awarded contract): [illegible] FRANK, 310 Hinkley block, Seattle, [illegible] & Jeffery, Best Construction Co., 205 [illegible] $21,155; Seattle, Wash., $16,649; And[illegible] Peterson & Co., 410 Washington Block, [illegible] $15,986.

TACOMA, WASH.—The fol[illegible] contracts have been awarded by the [illegible] of Public Works: For paving South [illegible] St. and other streets with sandston[illegible] F. A. KEASEL, $61,400; for pavi[illegible] Post, 359, including North 7th and oth[illegible] BARBER ASPHALT PAVING C[illegible] St., New York City, $146,20[illegible]

MANUFACTURING PLANTS.

(denotes that this work is advertised in Engineering News.)*

SOMERVILLE, MASS.—The [illegible] engineering department of the Boston & Maine R. R. Co. has completed comprehensive plans for a chain of repair and car shops, costing about $2,000,000, to be erected in East Somerville. The building site comprises 1,000,000 sq. ft. of vacant land with a continuous water front along the Mystic River. H. Bartlett is Gen. Supt. Mech. Dept., Boston.

NEW YORK, N. Y.—Bids are asked until 10.30 a. m., Jan. 10, by Francis J. Lantry, Fire Comr., for additions and alterations to repair shops building, corner of 12th Ave. and 56th St.

BUFFALO, N. Y.—The New York Central & Hudson River R. R. Co. has filed plans for shops to cost $170,000 in East Buffalo. The shops, which will be situated at Bailey Ave. and the West Shore R. R. tracks, include a roundhouse which will cost $120,000, a machine shop which will cost $20,000, a fan house to cost $10,000 and two storehouses which will cost $10,000 each. Work has begun on the roundhouse and excavation will be begun for the surrounding shops at once.

RIVERSIDE, N. J.—The United Ribbon Co., of 187 Ellison St., Paterson, N. J., proposes to erect a mill at Riverside this spring, ground for the purpose having been secured between Keen and Franklin Sts. The property is a part of the May Vreeland estate. It is said that the structure to be erected will cost in the neighborhood of $60,000.

BEAVER FALLS, PA.—B. Rutherford, Consult. Engr., 1200 Westinghouse Bldg., Pittsburg, has prepared plans for extensions and additional equipment to the plant of the Pittsburg Seamless Tube Co., Beaver Falls, Pa. These consist of a new steel and brick constructed power house, 35 x 70 ft., to contain three 250-KW. direct connected generators; an addition to the present boiler house to contain a battery of two 250-HP. of Stirling water tube boilers, for which contract has been let, while the mill machinery will be changed over and driven by individual motors. These additions will be completed and the mill placed in operation by about April 1.

HARRISONBURG, VA.—The Harrisonburg Ice Corporation will erect cold storage plant, it is stated, to be used principally for storage of fruits, eggs, butter, etc. It is reported that about $15,000 will be expended. John N. Garber is Pres.

ROANOKE, VA.—The Roanoke Stamping & Enameling Co. will manufacture kitchen enameled ware. I. M. Warren is Pres. and Gen. Mgr. A brick building 125x190 ft. will be erected to cost $10,000; machinery will be installed at cost of $18,000. A. Sprinkler is Engr. in charge; W. L. Scales is Arch.

DRAPER, VA.—The Rex Milling Co. will erect a mill and install machinery at cost of about $12,000. The building will be 34x48 x42 ft., with a capacity of 50 bbls. flour and 200 bushels meal a day; also chop feed. Officers are D. M. Painter, Pres.; G. H. Gilmer, Vice-Pres., and P. G. Pratt, Secy., Treas. and Gen. Mgr.

CHARLOTTE, N. C.—It is stated that the cotton mill company recently proposed for organization here by Sumner B. Sargeant will be incorporated in January. Mr. Sargeant has planned to form a firm with $100,000 capital stock to build a plant, which will be equipped with 5,000 spindles for the manufacture of 40s to 60s yarns.

CHARLESTON, S. C.—The Combahee Fertilizer Co. contemplates increasing its capital stock to $250,000 to erect a larger factory or an addition to its acid works. F. Q. O'Neill is Pres.

NATCHEZ, MISS.—It is stated that Baer, Myers & Co. will rebuild the 5-story factory recently burned. Cost, $50,000.

NEW ORLEANS, LA.—Keiffer Bros. will rebuild the shoe factory, at Canal St. and Claiborne Ave., destroyed by fire. Estimated cost, $100,000.

HENDERSON, KY.—A chair factory to be known as the Henderson Chair Co. is to be established by the Hillsboro Chair Factory of Hillsboro, Ohio. The plant is to have a capacity of 50 dozen chairs a day. The company will erect brick building 63 x 200 ft. and install machinery. Cost of building, $10,000; cost of machinery, $9,000. W. F. Weimer is Pres.; John Clark, Hillsboro, Ohio, is Engr.; James Western, Arch.

CINCINNATI, OHIO.—The D. T. Williams Valve Co., 521 Hunt St., Cincinnati, has purchased a site, 50x269 ft., on Hunt St., and will construct a new 5-story plant, 50x227 ft.

DECATUR, IND.—The Ward Fence Co. has ordered plans and will ask for bids soon for construction of a factory consisting of three buildings, 30x100 ft., 32x70 ft., and 30x60 ft., respectively. Harry Ward is Pres.

VINCENNES, IND.—The Board of Trade has agreed to build a factory in this city for the Kelley Mfg. Co., 1037 Evans St., Cincinnati, which, when the plant is completed, will remove here. Estimated cost, $110,000. Bids will be asked soon.

NEW ALBANY, IND.—The New Albany Milling Co. has filed articles of incorporation with a capital stock of $25,000. The company proposes to construct, equip and operate a factory for manufacture flour, etc. Charles E. Davis, Thomas W. Armstrong and Charles A. Jenkins are Dirs.

INDIANAPOLIS, IND.—The Advance Stamping & Mfg. Co has filed articles of incorporation. Capital stock, $30,000. The corporation proposes to establish and equip a plant for manufacturing tools, machinery, hardware, supplies and appliances. W. W. Williams, Frank H. Wheeler and E. W. Spencer are Dirs.

GARY, IND.—C. F. Minnick, G. A. Rutherford and T. M. McKee, of Cleveland, Ohio, representing a company, have purchased about 35 acres of land at Gary, Ind., and contemplate erection of a brewery thereon. Cost, $150,000. The company has been organized with a capital stock of $400,000, and, it is reported, is having William Van Kannel make the plans for the brewery.

HARBOR BEACH, MICH.—Plans and specifications for a plant for the Huron Milling Co. have been prepared by Edward C. Van Leyen and Edward A. Schilling, Archs., Peninsular Bank Bldg., Detroit, Mich. The building will be of reinforced concrete, as will also a dock, which will be 40 ft. wide and 300 ft. long. The warehouse will be 46x250 ft., and coal bunkers, with crane tracks for unloading boats, 40x250 ft. 16 ft. in height, will carry a supply of 5,000 tons of coal. The enclosing walls of the buildings between the reinforced concrete frame will be of concrete block or vitreous tile, plastered on the outside, to give the entire cement appearance. George J. Jenks, of Detroit, is Pres. of the Huron Milling Co., and the principal product of manufacture is starch.

CHICAGO, ILL.—Treat & Ahlschuler, Archs., 277 Dearborn St., have awarded contract for foundation work to H. EILENBERGER & CO., 153 LaSalle St., for the Raymond Lead Co.'s manufacturing plant, at Washtenaw Ave. and Lexington St. The plant will consist of three buildings, 1-story, 75x125 ft.; 1-story, 16x133 ft.; 2-story, 112x200 ft., respectively; cost, $200,000.

STREATOR, ILL.—The Henry Volk Co., Engrs., Louisville, Ky., are preparing plans for a 2-story artificial ice plant for the Streator Artificial Ice & Cold Storage Co. H. O. Soper, of Streator, is Mgr. Estimated cost, $50,000.

MILWAUKEE, WIS.—The Milwaukee Gasoline Locomotive Mfg. Co., of Milwaukee, recently incorporated with a capital of $50,000, will erect a factory at North Milwaukee, 60x120 ft.

C. F. Ruger & Son, Archs., Hathaway Bldg., are preparing plans for additions and alterations to the plant of the E. P. Mueller Molasses Feed Co.'s plant on Commerce St., for the Milwaukee Grains & Feed Co. Estimated cost, $200,000. William Wallace is Pres.

SUPERIOR, WIS.—Plans for a structure to replace the Great Northern Ry. Co.'s elevator, burned here about a month ago, are in the hands of the engineers. The elevator will be built on the steel tank plant, and it is expected to be of over 1,000,000 bushels capacity. F. B. Walker is Res. Engr., Superior.

OMAHA, NEB.—The Omaha Mitten Co. is making plans to erect a factory building next spring, doubling its former capacity. It has secured an option on a site.

HOUSTON, TEX.—The Raywood Co., of Texas, recently incorporated with $750,000 capital stock, has elected Edwin D. Lowe, Boston, Mass., Vice-Pres.; E. S. Hill, Tremont Bldg., Boston, Treas.; C. B. Moling, Secy., and W. S. Delery, Local Mgr. The company proposes to build mill for manufacturing pulp from rice straw and will install machinery for converting protein and nitrogenous matter of straw into alcohol. The company has purchased and will improve properties of Raywood Rice Milling & Canal Co., consisting of 21,000 acres of land, rice mill with daily capacity of 2,400 bags, 37 miles of main canals and laterals and pumping station on Trinity River with capacity of 3,000 HP.

ARDMORE, OKLA.—A plant for the manufacture of sand, lime and brick will be erected here, at a cost of about $50,000. W. Dunham, of Dallas, Tex., is interested.

EVERETT, WASH.—The Indiana Bent Rung Ladder Co. intends to establish a plant in this city, it is stated.

PORTLAND, ORE.—C. C. Robbins, Arch., Ainsworth Block, Portland, has completed plans for improvements to the plant of the Portland Artificial Ice Co., at 18th and Upshur Sts. The plans include an addition of four cold storage rooms, each 26x34 ft. with a 12-ft. ceiling.

The National Wood Pipe Co., 404 Equitable Bank Bldg., Los Angeles, Cal., will erect a factory at Portland, to cost about $100,000.

SAN DIEGO, CAL.—The management of the California Ostrich Ranch will commence construction of a factory soon to manufacture the various ostrich products. It will be located at Mission Cliff and will employ over 30 hands. The outlay will be between $30,000 and $40,000.

LONGBEACH, CAL.—Permits have been issued by the Building Inspector to the Craig Shipbuilding Co., for the erection of five additional buildings at its yards to cost about $15,000. The buildings to be erected are structural iron shop, power house, foundry building and brick machine shop.

RIGAUD, QUE.—The Detonite Explosives Co. is having plans prepared for a factory to cost $50,000. W. G. Trench is Supt.

RIVIERE DU LOUP, QUE.—DUKE & DUMONT have been awarded the contract for the new Intercolonial Ry. shops here. Two large steel frame buildings for the construction of locomotives and general repairs will be erected at a cost of $89,874. F. J. Lozo, Riviere du Loup, is Master Mech.

TORONTO, ONT.—F. H. Fleer & Co., 49 Lombard St., have been granted a permit for the erection of a factory of reinforced concrete to be erected on Sterling Road. Estimated cost, $65,000.

SASKATOON, SASK.—The Wilson Leslie Co., which has been formed here recently, will erect a flour mill in this city. Building operations will start in the spring.

VANCOUVER, B. C.—D. M. Stewart will erect a steam laundry here soon at a cost of $30,000. The building will be 75x120 ft., two stories high and fireproof.

The Otis-Fensom Elevator Co., Traders' Bank Bldg., Toronto, Ont., will next spring erect a factory on Alexander St., this city, for manufacturing of elevators. The building, 25x90 ft., will be of stone, brick and structural steel, four stories in height and basement. It will cost $30,000.

MISCELLANEOUS CONTRACTS.

(denotes that this work is advertised in Engineering News.)*

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

TUNNEL.—Madison, Wis.—See under Light and Power Plants.

*DREDGING.—New York, N. Y.—Bids are asked until noon, Feb. 1, by Col. John G. D. Knight, Corps Engrs., U. S. A., for dredging in mouth of Schodack Creek, Hudson River, N. Y.

*ROAD ROLLER.—Hackensack, N. J.—Bids are asked until 8 p. m., Jan. 6, by the Hackensack Improvement Commission for a 10-ton Buffalo-Pitts steam roller.

DREDGE REPAIRS.—Cincinnati, Ohio.—Bids are asked until Jan. 21, by Lieut.-Col. William T. Rossell, Corps Engrs., U. S. A., for building cabin and upper works on steel dredge.

*SPRINKLING WAGON.—Hackensack, N. J.—Bids are asked until 8 p. m., Jan. 6, by the Hackensack Improvement Commission for supplying three 600-gallon Studebaker sprinkling wagons.

DITCH.—Ada, Minn.—Bids were received by D. E. Fulton, County Auditor, on Dec. 20 for constructing ditch No. 33. Contract was awarded to J. L. BAKER, of Willmar, Minn., at $15,222.

IRON FENCE.—Lawrence, Ind.—Bids were received by Geo. H. Penrose, Q. M., U. S. A., on Dec. 21 for constructing iron fence for corral at Fort Benjamin Harrison, Ind. Contract has been awarded to C. C. KING BROS. & SON, Montezuma, Ind.

TUNNELS.—Newark, N. J.—Bids are asked until 1 p. m., Jan. 7, by the Building Committee, Essex County Board of Chosen Freeholders, for construction of underground tunnels connecting the hospital buildings at Overbrook, N. J. E. C. Eaton, Chn.

RETAINING WALL.—Austin, Tex.—C. E. Leonard, C. E., 103½ East Seventh St., Austin, writes us that contract for constructing concrete retaining wall at the foot of Congress Ave., Austin, has been let by the City Council to R. V. DIXON, of Austin, at $8,000.

LEVEE.—Bradley, Ark.—Bids are asked until 1.30 p. m., Jan. 15, by the Directors of the Long Prairie Levee District at Bradley, Lafayette, Ark., for construction of levee from Baucum Springs to the Arkansas and Louisiana state line. W. H. Baker is Secy.-Treas.

TENDERS.—Paducah, Ky.—Bids were received as follows on Dec. 27 by Maj. Wm. W. Harts, Corps Engrs., Nashville, Tenn., for building two wooden hull steam tenders: Charles Barnes Co., Cincinnati, Ohio, $13,640 each; E. J. Howard, Jeffersonville, Ind., $11,835 each.

PILES, ETC.—Ellis Island (New York post-office), N. Y.—Bids are asked at the office of Robert Watchorn, Comr. of Immigration, until Jan. 4, for furnishing material and repairing fender piles, shocks, etc., at southwest face of dock. Barge Office, U. S. Immigration Station, Ellis Island.

WHARF.—San Francisco, Cal.—The Board of Harbor Commissioners has rejected all bids for a large lumber wharf in Central Basin and the Board has ordered new plans as the proposed structure would have interfered with operations of Union Iron Works Co. Estimated cost, $70,000. W. B. Thorpe, Secy.

DITCH.—Frankfort, Ind.—Bids are asked at the Drainage Commissioner's office in the Court-House, in the City of Frankfort, Clinton County, Indiana, until 2 p. m., Jan. 11, for construction of the William F. Sanders Ditch, known in the Clinton Circuit Court as Cause No. 701. Henry Moore is Drainage Comr.

FENCE.—Coraopolis, Pa.—Bids are asked until Jan. 3 by F. J. Booth, County Comptroller, Pittsburg, for furnishing material and building 2,300 lin. ft. of fencing along the improved road between Coraopolis and Stoops Ferry. Geo. T. Barnsley, County Road Engr., Room 26, Court House, Pittsburg.

DRAIN.—Clarion, Iowa.—Bids are asked until Jan. 7 at the office of E. M. Callender, Audr. Wright County, at Clarion, for constructing a joint ditch and drain, known in Humboldt County as Humboldt-Wright Joint No. 1 and in Wright County as No. 27, to be divided into 4 sections requiring 14,466 ft. 14, 16, 20 and 24-in. tile.

FREIGHT TRANSPORTATION.—Los Angeles, Cal.—Bids are asked until 2 p. m., Jan. 10, by the Board of Public Works, Horace B. Ferris, Secy., for transportation of freight for use in the construction of the Los Angeles Aqueduct. Specifications and bidding sheet are on file at office of Engineering News, New York.

DITCH.—Redwood Falls, Minn.—Bids will be received until Jan. 10, at the office of L. P. Larson, County Audr., for constructing Ditch No. 3, requiring 6,518 ft. 10-in., 14,907 ft. 8-in., 25,123 ft. 6-in. tile; estimated cost, $7,700; also Ditch No. 4, requiring 7,100 ft. 15-in., 5,054 ft. 12-in., 7,230 ft. 10-in., 23,600 ft. 8-in., and 50,720 ft. 6-in. tile. Estimated cost, $16,180.

DITCH.—Springfield, Ill.—The contract was let at City Hall on Dec. 24 for the work of diverting the course of Spring Creek from a point 1,000 ft. above its present mouth so as to empty into the Sangamon River below the proposed new dam. The successful bidders were THOMAS BOWMAN and CHARLES ASCHAUER of this city, whose bid was 28½ cts. a cu. yd. for 18,490 yds., to be removed by dredging. Work will begin Jan. 2 and must be finished by April 1. The other bidders for the work were M. C. Connors & Co., of Chicago, who bid 41 cts. per cu. yd., and R. H. McWilliams, of Mattoon, whose bid was 37 cts. Both of these latter bids were for removing the earth with scrapers.

LOADING SCOWS.—New York, N. Y.—Bids were received as follows by Foster Crowell, Comr. St. Cleaning, on Dec. 27 for contract for furnishing all the labor and materials required for loading and trimming deck scows and other vessels of the department, and for the privilege of sorting and picking over and appropriating certain of the refuse at the dumps. Price is given on work per week: J. DELLIPOLLI (awarded contract), $1,802; C. De Marco, $1,705; J. Boro, $1,480; J. Borelli, $1,769; May J. Adler, $1,447; P. Capongri, $1,346; G. Derico, $1,638; George Garizo, $1,000.

Bids are asked until noon, Jan. 9, by Foster Crowell, Comr. St. Cleaning, for contract for furnishing all the labor and materials required for loading and trimming deck scows and other vessels of the department, and for the privilege of sorting and picking over and appropriating certain refuse, Boro. of the Bronx.

FOREIGN CONTRACTS.

(To insure prompt attention, letters upon consular business should be addressed to the American Consul at ———, ———. Such letters are opened and attended to by the person that may be in charge of the office. If addressed to the consul, personally, letters are forwarded to him, unopened, should he be absent, and a delay thus intervenes. If, in the meantime, he should have gone out of office the matter may wholly escape attention.

SWITCHBOARD, TELEPHONES.—Australia—Bids are asked by the Postmaster General, Victoria, until Jan. 7, for eleven sections of a common-battery switchboard and 3,000 subscribers' telephones and other apparatus, for the telephone exchange at Windsor.

STEEL RAILS.—Norway—Bids are asked until Jan. 10, for supplying 4,552 tons of steel rails to the Norwegian State Railways. (This is an extension of time from Nov. 13.) Herald Michelsen, Post Box 65, Christiania, Norway, states that he wants manufacturers to submit binding offers through him, commission to be 10 per cent. Copy of specifications on file with "Manufacturers' Record," Baltimore, Md.

DESIGNS FOR MUNICIPAL BUILDINGS.—China—Invitation is issued by the Municipal Council of the French Concession at Shanghai, for designs and plans for the construction of various municipal buildings. The competition closes on Feb. 15. Designs, in sealed envelopes, should be addressed to "Monsieur le President du Conseil d'Administration Municipale de la Concession Francaise, Shanghai.

MINING CONCESSIONS.—Turkey—Ernest L. Harris, American Consul at Smyrna, Turkey, reports that the Ottoman Ministry of Agriculture, Mines and Forests announces that offers for the working of a silver, lead and zinc mine, situated near Smyrna, will be received until Feb. 4. Those who wish to submit bids should address the Ministry of Agriculture, Mines and Forests, in Constantinople, or to the Government offices in Smyrna. Bidders will have to furnish a guaranty of $220.

CATALOGS.—South Africa.—Julius G. Lay, American Consul General at Capetown, S. A., advises us that in order to insure the success of the Commercial Information Bureau, established at this Consulate General, it is urgently requested that this Bureau be supplied with catalogs of almost everything that is imported into South Africa which can be manufactured in the United States. South Africa imports goods to the value of $150,000,000 annually, of which the United States exports but a small share.

TELEPHONE SYSTEM.—Spain—Bids are asked until Jan. 3 and Jan. 11 for the following work: (a) The construction of an international telephone system with France, and for the working of the interurban service of the North-East; (b) the construction and working of the North-West interurban service; (c) the construction and working of the South-East interurban service; (d) the construction and working of the South interurban service. Bids will be received at the "Registro de la direccion general de correos y telegrafos," Madrid, Jan. 3, for (a); and Jan. 11 for (d). Bids for (b) were received on Dec. 18, and on Dec. 26 for (c). Deposits of 120,000 pesetas (about $23,160) and 150,500 pesetas (about $29,000) are required to qualify bids for (a) and (d) respectively. Local representation is necessary.

RAILWAY CONSTRUCTION.—Norway—A plan was adopted at a recent Council of State for construction of railway lines in Norway during the next twelve years. This project, which will be laid before the Storthing when it meets in January, includes (1) a continuation of the Gudbrandsdalen Railway from Otta to Storen, and a widening of the Storen-Trondhjem line; (2) a line from Domaas, on the projected Otta-Storen line, to the base of the Romsdals Fjord; (3) an extension of the Christiania-Kongsberg line to Kragero with a short branch to Motodden; (4) an extension of the Arendal-Aamlid Railway to Tveitsund; (5) an extension of the Nordland Railway from Sunnan to Grong; (6) two branches off the Christiania-Bergen Railway—Myrdal to Fretheim and Voss to Eide. The total cost of laying these lines is estimated at 59,200,000 kroner ($15,865,600), which includes about 3,000,000 kroner ($804,000) that will be raised in the districts through which the lines will pass.

CONTRACT PRICES.

*OUTFALL SEWER.—Louisville, Ky.—Bids in detail were received as follows on Dec. 17 by the Commissioners of Sewerage for the construction of Section "B" of the Southern Outfall Sewer Contract No. 2: (A) T. B. Jones & Co., St. Louis, Mo.; (B) Henry Bickel, Louisville; (C) E. H. Abadie & Co., Times Bldg., St. Louis, Mo.; (D) Kirshener Construction Co., Cincinnati, Ohio; (E) Westwater & Casey, Dublin Park, Columbus, Ohio; (F) New York Continental-Jewell Filtration Co., 15 Broad St., New York, N. Y.; (G) American Engineering & Construction Co., Chicago, Ill.; (H) E. G. Nave Bro. & Co., Portsmouth, Ohio; (I) Irwin Bros., Greenville, Ohio; (J) Metropolitan Construction Co., 95 Milk St., Boston, Mass; (K) Luck Construction Co., Roanoke, Va. Charles P. Weaver is Secy.-Treas. Comrs. Sewers; P. L. Atherton is Chn. (Noted last week).

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
1,100 lin. ft. earth excav. and backfill	$16.60	$28.36	$31.12	$30.26	$30.00	$34.00	$38.00	$37.05	$38.00	$57.00	$41.50
1,700 lin. ft. earth evcav. and backfill	16.00	27.60	30.68	22.90	30.00	30.60	37.00	34.60	37.25	46.00	41.50
1,330 lin. ft. earth excav. and backfill, except Junction section	14.20	21.28	25.00	20.07	23.00	24.60	36.00	22.75	35.00	29.00	41.50
950 lin. ft. earth excav. and backfill	17.20	27.98	31.13	25.07	34.00	34.80	37.00	40.75	42.00	58.00	41.50
1,043 lin. ft. earth excav. and backfill	14.50	19.76	20.87	20.20	23.00	24.00	37.00	24.50	31.00	26.00	41.50
1,035 cu. yds. earth excav. and backfill of Junction section	10,091.00	1,135.00	1,106.00	621.00	1,550.00	1,500.00	4,000.00	2,175.00	2,500.00	1,700.00	1,542.50
17,000 cu. yds. concrete masonry, exclusive of cement	6.15	5.96	4.72	7.90	6.70	7.20	5.50	6.90	6.90	5.00	9.85
1,215,150 lbs. reinforcing metal in place, plain bars	.0355	.0325	.0333	.04	.039	.039	.0225	.04	.037	.0325	.035
1,194,280 lbs. reinforcing metal in place, corrugated bars	.0387	.035	.0375	.0425	.0425	.04	.0225	.045	.043	.035	.04
500 cu. yds. earth excav. in trench below masonry	.50	.50	1.07	1.00	2.00	2.00	2.00	2.25	1.50	1.00	3.00
500 cu. yds. gravel refilling in trench below masonry	.90	.50	1.87	1.00	2.00	2.00	1.50	2.00	1.75	.50	2.00
85 cu. yds. concrete masonry, Junction section, exclusive of cement	9.60	18.75	9.39	18.00	20.00	14.00	15.00	18.00	7.50	10.00	13.00
21,000 bbls. Portland cement used in the work	1.60	1.58	2.20	1.40	1.80	1.80	1.66	1.70	2.00	1.75	1.75
208 lin. ft. manholes, complete	3.50	3.50	5.66	2.60	4.00	3.00	4.00	6.00	3.00	1.60	3.00
Cleaning up (lump sum)	2,400.00	375.00	1,600.00	3,000.00	2,000.00	1,000.00	10,000.00	3,000.00	3,000.00	1,500.00	1,000.00
1,000 lin. ft. 8" under drain, furnishing and laying	.20	.35	.60	.75	.55	.50	.52	.50	.80	.40	1.40
3,000 lin. ft. 10" under drain, furnishing and laying	.25	.40	.68	.85	.60	.60	.60	.70	.90	.45	1.60
2,000 lin. ft. 12" under drain, furnishing and laying	.30	.45	.80	1.00	.65	.70	.65	.80	1.10	.50	1.75
Totals	$296,524	$336,681	$352,674	$370,175	$385,070	$397,351	$404,627	$415,240	$416,393	$439,723	$522,306

(Engineer's estimate—$353,145.)

U. S. POSSESSIONS AND CUBA.

BUILDING MATERIAL. — Panama. — The Bureau of Manufactures, Dept. Commerce and Labor, calls attention to the market at Panama for steel laths and wire netting for construction purposes, owing to the extending use of cement. Trade in those lines and in Portland cement could be developed to a much greater extent if quantities of the right materials were on hand, thus avoiding a delay of six to seven weeks in waiting for an order to be filled from the United States.

PIPE.—Panama.—Bids were received as follows Dec. 30, at the office of the Gen. Purchasing Officer, Isthmian Canal Commission, Washington, D. C., for furnishing 10,000 ft. of 16-in. cast-iron pipe and fittings: American Cast-Iron Pipe Co., Birmingham, Ala., $19,129; 60 days. Camden Iron Works, Camden, N. J., $17,887; 60 days. Jas. B. Clow & Sons, 342 Franklin St., Chicago, $32 per ton; $60 per ton for special castings. M. J. Drumond & Co., 182 Broadway, New York, $20,433; 75 days. John Fox & Co., 253 Broadway, New York, $20,643; 75 days. Manning, Maxwell & Moore, 85 Liberty St., New York, pipe alone, $30.50 per ton; 50 days. United States Cast-Iron Pipe & Foundry Co., 71 Broadway, New York, $21,327; 100 days.

ENGINEERING MATERIAL PRICES.

TRACK FASTENINGS—

Pittsburg, f. o. b. cars—Angle bars, 1.65 to 1.75 cts.; spikes, 2.25 to 2.45 cts.; bolts, square nuts, 2.65 to 2.75 cts.; bolts, hexagonal nuts, 2.80 to 2.90 cts.

RAILS, STEEL—

New York—at mill—New standard sections, $28; standard, second quality, $27 to $28; light sections, 12 to 14 lbs., $34 to $36; old iron rails, f. o. b. New York, $18 to $19; old steel rails, short lengths, $10 to $10.50; old steel rails, re-rolling lengths, $13 to $14.

Pittsburg—Standard sections, at mill, $28; standard, second quality, $27.00 to $28; light rails, 25 to 45-lb., $30; 20-lb., $31; 16-lb., $32; 12-lb., $34; 10-lb., $36, and 8-lb., $40.

STRUCTURAL MATERIALS—

New York—at tidewater—Beams, channels, angles and zees, 1.86 cts.; tees, 1.91 cts. On beams, 18 to 24 in., and angles over 6 in., the extra is 10 cts. Material cut to length is sold from stock at 2¼ cts. to 2½ cts.

Pittsburg—Beams and channels, up to 15-in., 1.70 cts.; over 15-in., 1.80 cts.; angles, 3 × 2 × ¼-in. thick, up to 6 × 6-in., 1.70 cts.; 8 × 8 and 7 × 3½-in., 1.80 cts.; zees, 3-in. and larger, 1.70 cts.; tees, 3-in and larger, 1.75 cts.; bulb angles and deck beams, 2 cts. Under the steel bar card, angles, channels and tees under 3-in. are 1.70 cts., base, for Bessemer and open hearth, subject to half extras on the standard steel bar card.

PLATES AND SHEETS—

New York—at tidewater—The following prices are based on carload lots, with 5 cts. extra for less than carload lots. Terms, net cash in 30 days:

Tank plates, 6¼ to 14 ins. wide	**$1.86 to $1.96**
14½ to 100 ins. wide	1.96 to 2.00
Flange and boiler test	**1.96 to 2.06**
Marine	**2.26 to 2.36**
Locomotive, fire-box	3.15 to 3.20
Still bottoms	2.14½ to 2.29½

Note—Plates more than 100 ins. in width, 5 cts. extra per 100 lbs.; plates 3-16-in. in thickness, $2 extra; Nos. 7 and 8 gage, $5 extra; No. 9, $5 extra.

Pittsburg—Tank, ¼-in. thick and heavier, 1.70 to 1.80 cts.; black sheets, 27-gage, 2.50 to 2.55 cts.; black sheets, 28-gage, 2.60 to 2.65 cts.

IRON—

Pig Iron:

At New York—tidewater—

Northern—	
No. 1 X foundry	$19.00 to $20.00
No. 2 X foundry	18.50 to 19.50
No. 2 plain	18.00 to 19.00
Gray forge	17.50 to 18.50
Basic	18.25 to 19.25
Virginia—	
No. 1 foundry	19.50 to 20.00
No. 2 foundry	19.00 to 20.00
Basic	19.00 to 20.00
Southern—	
No. 1 foundry	17.75 to 18.75
No. 2 foundry	17.25 to 18.25
No. 3 foundry	16.75 to 17.75
No. 4 foundry	16.25 to 17.25
No. 1 soft	17.75 to 18.75
No. 2 soft	17.25 to 18.25
Gray forge	16.75 to 17.75
Mottled	16.25 to 17.25
At Pittsburg, f. o. b.—	
No. 2 foundry	17.00 to 19.00
Gray forge	16.00 to 16.50
Bessemer iron	19.00 to 20.00
Ferromanganese	51.50 to 52.50
At Chicago—	
Lake Superior Charcoal	23.50 to 24.00
Northern Coke Foundry, No. 1	18.50 to 19.00
Northern Coke Foundry, No. 2	18.00 to 18.50
Northern Coke Foundry, No. 3	17.50 to 18.00
Northern Scotch, No. 1	19.50 to 20.00
Ohio Strong Softeners, No. 1	19.75 to 20.25
Ohio Strong Softeners, No. 2	19.25 to 19.75
Southern Coke, No. 1	18.85 to 19.35
Southern Coke, No. 2	18.35 to 18.85
Southern Coke, No. 3	17.85 to 18.35
Southern Coke, No. 4	17.35 to 17.85
Southern Coke, No. 1, soft	18.85 to 19.35
Southern Coke, No. 2, soft	18.35 to 18.85
Southern Gray Forge	16.35 to 16.85
Southern Mottled	15.35 to 15.85
Malleable Bessemer	18.50 to 19.00
Standard Bessemer	21.40 to 21.90
Jackson Co. and Kentucky Silvery, 6%	29.40 to 29.90
Jackson Co. and Kentucky Silvery, 8%	31.40 to 31.90
Jackson Co. and Kentucky Silvery, 10%	33.40 to 33.90

Cast-iron Pipe:

New York—Carload lots, net tons, 6-in., at tidewater, $30.00.

Chicago—4-in. water pipe, $34; 6-in. to 12-in., $33; over 16-in., $32, with $1 extra for gas pipe.

Copper:

Lake, 13.37½ to 13.50 cts.; electrolytic, 13.25 to 13.37½ cts.; casting, 13 to 13.12½ cts.

Lead: New York, spot, 3.50 to 3.60 cts.

Spelter: New York, spot, 4.10 to 4.20 cts.

Tin: New York, spot, 26.50 to 27.25 cts.

CIVIL SERVICE EXAMINATIONS.

MAP ENGRAVER.—Washington, D. C.—An examination will be held by the U. S. Civil Service Commission on Jan. 15 to secure eligibles from which to make certification to fill a vacancy in the position of apprentice engraver, $700 a year, in the Hydrographic Office, Navy Dept., and vacancies requiring similar qualifications as they may occur in that office and in the Geological Survey. Age limit, 16 to 18 years. Application Form 304.

COPPERPLATE MAP ENGRAVER. — Washington, D. C.—The U. S. Civil Service Commission announces an examination on Jan. 15, to secure eligibles from which to make certification to fill a vacancy in the position of copperplate map engraver, at $900 a year, in the Coast and Geodetic Survey, and vacancies requiring similar qualifications as they may occur in any branch of the service. Attention is invited to the fact that applications for the position of copperplate map engraver may be filed at any time, but only those properly executed and filed, in complete form, with the U. S. Civil Service Commission, Washington, D. C., prior to the hour of closing business on Jan. 15, 1908, will be considered for the specific vacancy mentioned. Age limit 20 years or over. Application Form 1930 and special form.

SANITARY ENGINEER AND DRAFTSMAN.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on Jan. 15-16 to secure eligibles from which to make certification to fill a vacancy in the position of draftsman and dairy sanitary engineer in the Dairy Division, Dept. of Agriculture, at a salary of $1,400 to $1,600 a year, according to qualifications, and vacancies requiring similar qualifications as they may occur in that Department. The duties of the person appointed to this position will be to assist in the designing, remodeling, and construction of creameries, dairy barns, and work of a similar character. Training and experience in architecture and building construction is indispensable, as is some practical acquaintance with dairy architecture. Age limit, 20 years or over. Application Form 1312.

AID.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on Jan. 15-16, to secure eligibles from which to make certification to fill four vacancies in the position of aid in the Coast and Geodetic Survey, at $720 a year, and similar vacancies as they may occur. As the Commission has experienced considerable difficulty in securing a sufficient number of eligibles for this position to meet the needs of the service, qualified persons are urged to enter this examination. Age limit, 18 to 25 years. Application Form 1312. The rank of aid is the lowest or entering rank leading to the position of assistant to the superintendent. The Coast and Geodetic Survey is engaged in a great variety of duties and its operations extend over a vast range of territory. The aid, like the assistants, are subject to assignments either as chiefs of party or subordinate officers on parties engaged in the determination of the magnetic elements, in secondary triangulation and astronomic determinations for the control of topographic and hydrographic surveys, in primary triangulation and the corresponding astronomical determinations, in topographic surveying along the coast, and in hydrographic surveys in the bays and harbors and in the open sea. The steamers and sailing vessels belonging to the Survey are commanded by these members of the permanent field force. During the intervals between field seasons assistants and aids are subject to assignment to office duty in Washington, or in one of the sub-offices at San Francisco or Manila. Nearly all administrative positions in the office at Washington, from that of chief of division to the highest rank, are open to and are now filled by assistants. The duties of the field officers take them to all parts of the United States, including Porto Rico, Alaska, Hawaii, and the Philippines.

The members of the permanent field force have, therefore, a very wide range of duties as surveyors engaged in the highest grades of surveying, as navigators and as scientists, and have a rare opportunity for exclusive travel and acquaintance with the world. The aid is subject to assignment to any duty required of any officers of the permanent field force. In general, the exigencies of the service place the aids so promptly in responsible positions that there is an abundant opportunity for a man of exceptional ability to become known. Aids are appointed at a salary of $720 a year. The next steps in the line of promotion are to be to the salaries of $900 and $1,100 as aid, and thence to assistant at $1,200, and then upward by steps of $200 each. The law now provides for 10 aids at $720 per annum, 13 aids at $900, 6 aids at $1,100, 34 assistants at $1,200 to $1,800, and 30 assistants at $2,000 to $4,000. These statements of salary are misleading unless taken in connection with the fact that the necessary traveling expenses incurred in the line of duty are paid by the Government, and that in addition to his salary an aid or assistant is paid an allowance for subsistence to cover the ordinary living expenses while on field duty. During this period the allowance for subsistence is from $1 a day for an officer living on shipboard or in camp quarters furnished by the Government, to $2.50 a day for a chief of party living at a hotel or other quarters not furnished by the Government. **On service in the Philippines the allowance for subsistence is $2.50 a day under all conditions, even at Manila.**

INDUSTRIAL NOTES.

THE PARKER BOILER CO., Philadelphia, Pa., advises us that it has received an order from the Winona Copper Co., Houghton, Mich., for one 268-HP. boiler, a duplicate of one installed for this company about a year ago. The Haslett Warehouse Co., San Francisco, Cal., which has been using a 150-HP. Parker boiler since 1904, has just ordered another unit of 298 HP.

THE GOULDS MFG. CO., Seneca Falls, N. Y., manufacturers of pumps and hydraulic machinery, has recently completed the construction of a new office building and foundry and are now located in the new buildings. The office is in close proximity with the new foundry addition, which consists of a foundry 500 × 144 ft., rattling room 161 × 42 ft., pattern shop 161 × 42 ft., two stories high, two pattern storages 82 × 42 ft., each four stories high, storage buildings, railroad trestle for handling coal, coke and sand 175 × 50 ft. and a power house 65 × 127 ft.

THE GENERAL OFFICES of the Wheeler Condenser & Engineering Co. will be removed from New York City to the works at Carteret, N. J., on January 1, 1908, and all the present New York employees transferred there. The company is erecting a very extensive addition to their present office building in Carteret to accommodate the increased force and to provide room for the executive offices. The drawing room will be enlarged and occupy practically the entire upper floor of the office building, while additional room will also be provided for the engineering department proper.

AT THE RECENT ANNUAL MEETING of the stockholders of the Independent Pneumatic Tool Co., held at Jersey City, N. J., the following directors were re-elected for the ensuing year: J. B. Brady, J. P. Hopkins, W. O. Jacquette, J. D. Hurley, J. J. McCarthy, J. M. Glenn, M. S. Rosenwald, S. Florsheim, J. R. Turner. The annual statement shows a very gratifying increase in business over the previous year. The company has recently greatly enlarged its plant at Aurora, Ill., installing a large amount of new machinery therein and it has facilities for practically doubling its output.

THE BRISTOL CO., of Waterbury, Conn., are issuing three new bulletins, covering their electrical instruments: Bulletin No. 61, describing recording voltmeters, which is in 12 pages, illustrated, and is very complete; bulletin No. 62, describing recording ammeters, lists new form of portable instrument, which is now being manufactured and is very attractive in its make-up. Bulletin No. 63 covers a line of recording wattmeters and is somewhat larger than the others, having 19 pages. This bulletin besides illustrating the new portable form of wattmeter also shows a very complete list of single, two-phase and balanced three-phase alternating-current instruments, something that was absent from former bulletins. These catalogs will be appreciated by engineers, who are usually in a quandary as to the best type of instrument applicable to the loads for which they intend to design, and will be found very helpful in locating the proper instrument manufactured.

TRADE PUBLICATIONS.

RAILWAY SPREADER CARS.—The O. F. Jordan Co., Railway Exchange Building, Chicago. Paper; 8½ × 11¼ ins.; pp. 4; illustrated.

These cars are used for spreading ballast and filling in railway and other construction; also for leveling coke and ore at large steel works. The cars are illustrated and described and several testimonials are given.

STEEL TIE-PLATES.—Spencer Otis Co., Railway Exchange Building, Chicago. Paper; 8½ × 11¼ ins.; pp. 12; illustrated.

The "Economy" tie-plate is made with bottom flanges and with or without a top shoulder, and has grooves in the rail seat to prevent sand or dirt from working between the rail and the plate. Several designs are shown.

MINE CARS.—The Watt Mining Car Wheel Co., Barnesville, Ohio. Paper; 5¼ × 7¾ ins.; pp. 34; illustrated.

"Mine cars of every description" are shown in this catalog, both steel and wooden. Cars are shown for mechanical haulage and for hand use, both end and side dumping, and an automatic skip car for inclined shafts.

"FIRE CLAY AND VITRIFIED CLAY PRODUCTS."—The Laclede-Christy Clay Products Co., successors to the Laclede Fire Brick Mfg. Co., Manchester and Sulphur Aves., St. Louis. Paper; 3½ × 6¼ ins.; pp. 24; illustrated.

A number of fire-brick shapes are shown, with dimensions; also various tile forms, for which both dimensions and prices are given. The pamphlet also includes chimney tops, grate backs, gas retorts, vitrified sewer pipe, etc. A few hollow-tile fireproofing shapes are shown.

THE WEDGE ORE-ROASTING FURNACE.—The Pennsylvania Salt Mfg. Co., 115 Chestnut St., Philadelphia. Catalog A, 1907; paper; 7 × 9¾ ins.; pp. 28; illustrated.

The Wedge mechanical furnace differs radically from conventional types of ore-roasting furnaces for chloridizing, etc. The furnace rotates on a vertical axis, and the material is raked from one "story" or ledge to another of the roasting chambers, by spiral raking mechanism on rotating arms. Any fuel available may be used.

PULVERIZING MACHINERY.—The Abbé Engineering Co., 22[illegible] Broadway, New York City. Paper; 6[illegible] 9 ins.; pp. 92; illustrated.

The company calls [illegible] attention to its new testing laboratory [illegible] for the testing of materials free of charge [illegible] for present or prospective customers. [illegible] catalog shows a very complete line of [illegible] mill, pebble and tube mills, etc., for dry [illegible] wet grinding. Small mills for laboratory [illegible], assay samples, crushers, etc., are also shown, as well as rotary vacuum pumps [illegible] blowers.

GARBAGE REDUCTION.—American Extractor Co., 601 Banigan Building, Providence, R. I. Paper; [illegible] 8⅝ ins.; pp. 10; illustrated.

This pamphlet is devo[illegible] principally to the Wheelwright garbage reduction plant which is now treating the garbage of New Bedford, Mass. In this [illegible] the grease is freed by heating the w[illegible] in heavy cast-iron digesters. A contin[illegible] press and a dryer are used for reducing the tankage to fertilizer base. The waste liquors are put through a Yaryan evaporator. The grease is recovered for sale. The pamphlet states that "the patented machinery is all built of special gun iron, which the inventor has had in successful use for the past 20 years in the manufacture of sulphite pulp, which gives assurance of its durability, being capable of withstanding acids, hence the question of maintenance is reduced to a minimum."

For other Proposal Advertisements see pages 51, 52 of Advertisements and Construction News page 6.

STREET PAVING.

Newburgh, N. Y.

Sealed proposals will be received at office of City Clerk in City Hall, Newburgh, New York, until five o'clock p. m. of Tuesday, January 7, 1908, for furnishing all materials, paving and permanently improving that portion of South Street lying between Lander and Liberty Streets in said city with vitrified block, asphalt block, or Warren's Bitulithic pavement.

There is about 2,700 sq. yds. to be paved, curbstones to be set, catch basins, etc., to be built.

Cash or a certified check for five hundred dollars must accompany each bid. Bidding sheets may be obtained and plans and specifications can be seen at the office of City Engineer, City Hall, Newburgh, N. Y.

The City Council hereby reserves the right to reject any or all proposals and to accept any considered favorable to the city.

D. J. COUTANT,
City Clerk.

WM. J. BLAKE, JR.,
City Engineer. 1-1t

Dated Newburgh, N. Y., Dec. 26. 1907.

SPRINKLING WAGON.

Hackensack, N. J.

Sealed proposals will be received by the Hackensack Improvement Commission on Monday evening, January 6th, 1908, at Eight O'Clock, for three Six Hundred Gallon Studebaker Sprinkling Wagons.

The Hackensack Improvement Commission reserves the right to reject any and all bids. 1-1t

ROAD ROLLER.

Hackensack, N. J.

Sealed proposals will be received by the Hackensack Improvement Commission on Monday evening, January 6th, at 8 P. M., for a new ten ton Buffalo-Pitts Steam Roller.

The Hackensack Improvement Commission reserves the right to reject any and all bids. 1-1t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., December 28, 1907.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 11th day of February, 1908, and then opened, for the construction (complete) of the extension to the U. S. Post Office and Court House at Chattanooga, Tennessee, in accordance with the drawings and specification, copies of which may be had at this office, or at the office of the Custodian at Chattanooga, Tennessee, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 1-2t

PROPOSALS FOR ELECTRIC WIRING.—Office of Building for National Museum, Library of Congress, Washington, D. C., December 26, 1907.—Sealed proposals for furnishing, delivering, and installing in place, complete, the electric wiring required for the new building for the National Museum, in this city, will be received at this office until two o'clock P. M. on Tuesday, the twenty-first day of January, 1908, and publicly opened immediately thereafter. Specifications and other information furnished on application. BERNARD R. GREEN, Superintendent of Construction. 1-3t

Supplem

CONSTRUCT
Plans and
List of C
Railways
Electric R
Light and
Bridges
Buildings
Water Su
Sewerage
Garbage
Street
Manufactu
Miscellane
CIVIL SERV
INDUSTRIAL
TRADE PUB
PROPOSALS

CONS

PLANS AND

(* denotes th

The followin
(S.) are on fil
of The Engi
220 Broadway
1-10 Freight
Angele
1-14 Drivewa
N. Y.
1-15 Boiler
D. C.
1-15*Regradi
N. Y.
1-17 Air con
1-18 Dry do
1-20*Margina
.....
2- 1 Bridge,

LIST O

LIGHT, HE

1-10 Power-
1-13*Wiring,
1-14*Wiring,
1-15*Light a
1-15 Conduit
1-21*Wiring,
2- 4 Light
2-13 Gas pr

1-10 Bridges
1-10 Bridges
1-14 Bridges
1-15 Bridges
1-15 Bridge,
1-15 Bridge,
1-15 Bridge,
1-16 Bridge,
1-18 Bridge
1-20 Steel
1-21 Bridge
1-22*Bridge
1-29*Lift b
1-31 Bridge,
2- 1 Bridge,

1-10 Quarte
1-10 Armor
1-10 Repair
(Mfg.
1-13*Officer
N. Y.
1-14*Barrac
1-14 Post-o
1-14 Slaugh
(Mfg.
1-15*Post-o
1-15 Conver
1-15 Buildi
1-17*Post-o
1-18*Vacuu
Provi
1-20 School
1-20*Post-o
1-21*Post-o
1-21 Fog s
1-22 Post-o
1-22 Repair
1-25*Found
1-27 City
2- 1 School
2- 7 Office
2-11*Post-o
Tenn
2-14 Post-o
2-17*Post-o
2-18 Post-o
2-18 School

At once *C
Mex
1-10*Wate
1-11 Ditch
1-14 Wate
1-15 Hydr
1-15 Cart
Man
1-15 Boi
D.
1-15*W
1-15 Wate
1-17 Air
1-22 Sur
N. Y.
1-22 Wate
Sew
1-24 Re
1-28 Eng